
Dear Business Partner,

The Original Dr. N. Gerber – This name stands for quality

Ever since Gerber Instruments AG was founded by Dr. N. Gerber more than 120 years ago the focus lies on the butyrometers to determine the fat content in milk and dairy products.

In 1892 these glass instruments and the acid butyrometry were developed by Dr. Niklaus Gerber.



It was important for him to be able to establish a reliable and easy-to-use instrument to determine the quality of milk. His method credited the Swiss dairy industry with its international reputation and is worldwide indispensable for laboratories.

Gerber Instruments AG stands today, as it was 120 years ago, as a benchmark of the quality determination in the dairy industry.



This new product catalog for milk analysis includes our comprehensive standard assortment for your quality evaluation in the laboratory.

More than 130'000 items and the latest news and promotions you will also find in our online shop or on the website

www.gerber-instruments.ch

We are looking forward to continue with or start a new successful cooperation with you and will be at your service with our skilled and dedicated employees.

Your Gerber-Team

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List of abbreviations:

w/	with	w/o	without
acc.	according	Qty	quantity
e.g.	for example	rpm	revolutions per minute
RN	regular neck	int.	internal
PVC	polyvinyl chlorid	ext.	extern
PE	polyethylen		

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Contents

Section	Page
Sampling	4
Fat determination according to Gerber	7
Accessories Butyrometer	14
Gerber measuring devices	17
Waterbaths	19
Gerber Centrifuges	22
Extraction methods to determine the fat content	25
Dry matter and moisture determination	28
Specific weight	33
Detection of added water in milk	40
Cryoscopes	41
Special examinations in butter	44
Microbiology	45
Heat treatment tests	54
Udder control	55
Reduction test	56
Sediment test	57
Acidity determination	58
pH measurement	61
Conductivity measurement	64
Combi analyzer for pH and conductivity measurement	66
Detection of fat deterioration	68
Consistency and viscosity	69
Effect of homogenization	71
Special examinations of milk- and other powders	72
Physical examinations of whipped cream	78
Dairy thermometers	79
Universal thermometers	80
Electronic thermometers	82
Thermohygrometers	84
Literature	85
Alphabetical index	86
Index by order numbers	92

Sampling



Milk Dipper

Nickel plated brass, with valve, sterilizable.

Order No.	Type	Qty per unit
02.0000	Volume: 1 ml	1
02.0001	Volume: 2 ml	1
02.0002	Volume: 4 ml	1
02.0003	Volume: 5 ml	1
02.0004	Volume: 10 ml	1
02.0005	Volume: 20 ml	1
02.0006	Volume: 40 ml	1
02.0007	Volume: 50 ml	1
02.0008	Volume: 100 ml	1



Milk Stirrer

Stainless steel, perforated stirring disc.

Order No.	Type	Qty per unit
02.1010	Ø 13 cm, handle approx. 65 cm long	1
02.1011	Ø 6.5 cm, handle approx. 51 cm long	1



Ladle Scoop

Stainless steel, with handle.

Order No.	Type	Qty per unit
9.150665	Ø 70 mm, 90 ml, length 185 mm	1
9.150685	Ø 90 mm, 200 ml, length 315 mm	1
9.150700	Ø 100 mm, 220 ml, length 315 mm	1



Dosing Syringes Original Gerber

Exchangeable glass cylinder, sterilizable, Luer Lock adapter and suction cannula (03.13000), stainless steel with ring finger supports.

Order No.	Type	Qty per unit
03.1350	5 ml cream syringe	1
03.1351	10 ml cream syringe	1
03.1352	11 ml milk syringe	1
03.1353	10.75 ml milk syringe	1
03.1354	10.73 ml milk syringe	1
03.1355	10.77 ml milk syringe	1
03.13000	Canula with Luer Lock, bent	1

Spare Glass Cylinders for Dosing Syringes

Order No.	Type	Qty per unit
03.1360	5 ml, Ø 15 x 68 mm	1
03.1361	10 ml, Ø 19 x 76 mm	1
03.1362	11 ml, Ø 19 x 76 mm	1
03.1363	10.75 ml, Ø 19 x 76 mm, standard: ISO	1
03.1364	10.73 ml, Ø 19 x 76 mm, standard: NOR	1
03.1365	10.77 ml, Ø 19 x 76 mm, standard: South Africa, USA	1



Cannulas with Luer Lock

Order No.	Type	Qty per unit
02.1057	No. 1: 1.0 x 40 mm	12
02.1058	No. 2: 1.2 x 40 mm	12
02.1059	No. 3: 1.4 x 40 mm	12
02.1060	No. 4: 1.6 x 40 mm	12



Milk Sample Bottles

Order No.	Type	Qty per unit
02.11002	50 ml, DURAN glass, flat bottom, 4 ring marks at 10/ 20/ 30/ 40 ml	1
24.2104	Rubber stopper for milk sample bottle 02.11002	1
02.1110	50 ml, plastic, with snap cap 02.11101	1



02.11002+02.11004

Bottle Carriers for Milk Sample Bottles

Made of stainless steel, meshes 35 x 35 mm.

Order No.	Type	Qty per unit
02.11004	For 3 x 7 milk sample bottles	1
02.11005	For 4 x 7 milk sample bottles	1
02.11006	For 11 x 11 milk sample bottles	1

Sampling



Laboratory Bottles

Made of Duran glass, a PP screw cap and pouring ring, can be autoclaved.

Order No.	Type	Qty per unit
9.072000	Content: 50 ml, ISO thread GL 32	1
9.072001	Content: 100 ml, ISO thread GL 45	1
9.072002	Content: 250 ml, ISO thread GL 45	1
9.072005	Content: 500 ml, ISO thread GL 45	1
9.072010	Content: 1000 ml, ISO thread GL 45	1
9.072007	Content: 2000 ml, ISO thread GL 45	1

Bottle Carriers for Laboratory Bottles

There are a range of laboratory bottles of different sizes, plastic coated steel wire, with feet and fixed handle which will enable the transportation.

Order No.	Type	Qty per unit
23.1020	For six 500 ml bottles	1
9.102216	For six 1000 ml bottles	1
9.102206	For six 2000 ml bottles	1



Cheese Triers

Made of stainless steel, with plastic handle.

Order No.	Type	Qty per unit
02.1200	Size: 00, blade length: 125 mm, width at end/tip: 9/5 mm	1
02.1201	Size: 0, blade length: 125 mm, width at end/tip: 11/7 mm	1
02.1202	Size: 1, blade length: 125 mm, width at end/tip: 13/9 mm	1
02.1203	Size: 2, blade length: 135 mm, width at end/tip: 19/14 mm	1
02.1204	Size: 3, blade length: 150 mm, width at end/tip: 21/17 mm	1



Butter Triers

Made of stainless steel, with metal handle.

Order No.	Type	Qty per unit
02.1210	Blade length 260 mm	1
02.1211	Blade length 320 mm	1

Milk Powder Sampler

Made of stainless steel, with plastic handle.

Order No.	Type	Qty per unit
02.1215	Length 510 mm, penetration depth 360 mm, volume approx. 150 ml	1

Fat determination according to Gerber

Milk Butyrometer Original Gerber

With a frosted label on the bulb, plain neck, without a stopper, for milk quantities of 10.73 - 11 ml.

Order No.	Type	Acc. code	Qty per unit
03.0029	% Fat: 0 - 4; division: 0.05; standard: ISO	A, B, E, F	1
03.0030	% Fat: 0 - 5; division: 0.1; standard: ISO	A, B, E, F	1
03.0001	% Fat: 0 - 5; division: 0.05	A, B, E, F	1
03.0031	% Fat: 0 - 6; division: 0.1; standard: ISO	A, B, E, F	1
03.0032	% Fat: 0 - 7; division: 0.1; standard: ISO	A, B, E, F	1
03.0033	% Fat: 0 - 8; division: 0.1; standard: ISO	A, B, E, F	1
03.0009	% Fat: 0 - 9; division: 0.1; standard: ISO	A, B, E, F	1
03.0010	% Fat: 0 - 10; division: 0.1; standard: ISO	A, B, E, F	1
03.0012	% Fat: 0 - 12; division: 0.1	A, B, E, F	1
03.0014	% Fat: 0 - 14; division: 0.2	A, B, E, F	1
03.0016	% Fat: 0 - 16; division: 0.2	A, B, E, F	1
03.0020	% Fat: 0 - 20; division: 0.2	A, B, E, F	1
03.0025	% Fat: 0 - 5 - 12; division: 0.1	A, B, E, F	1



03.0033

Milk Butyrometer Original Gerber Officially Calibrated

With a frosted label on the bulb, plain neck, without a stopper, for milk quantities of 10.73 - 11 ml.

Order No.	Type	Acc. code	Qty per unit
03.0059	% Fat: 0 - 5; division: 0.1 (± 0.05); standard: ISO	A, B, E, F	1
03.0060	% Fat: 0 - 6; division: 0.1 (± 0.05); standard: ISO	A, B, E, F	1
03.0061	% Fat: 0 - 7; division: 0.1 (± 0.05); standard: ISO	A, B, E, F	1
03.0062	% Fat: 0 - 8; division: 0.1 (± 0.05); standard: ISO	A, B, E, F	1
03.0070	% Fat: 0 - 4; division: 0.05 (± 0.025); standard: ISO	A, B, E, F	1
03.0071	% Fat: 0 - 6; division: 0.1 (± 0.03)	A, B, E, F	1
03.0072	% Fat: 0 - 7; division: 0.1 (± 0.03)	A, B, E, F	1



03.0070

Precision Milk Butyrometer

With a frosted label on the bulb, plain neck, without a stopper, for milk quantities of 10.73 - 11 ml, accuracy of scale $\pm 0.03\%$.

Order No.	Type	Acc. code	Qty per unit
03.0043	% Fat: 0 - 3 - 6; division: 0.05	A, B, E, F	1
03.0200	% Fat: 0 - 6 - 9; division: 0.05	A, B, E, F	1



03.0043

Fat determination according to Gerber



03.0086

Milk Butyrometer according to National Standards

With a frosted label on the bulb, plain neck, without a stopper.

Order No.	Type	Acc. code	Qty per unit
03.0080	% Fat: 0 - 8; division: 0.1 ($\pm$ 0.05); standard: USA	A, B, E, F	1
03.0081	% Fat: 0 - 8; division: 0.1 ($\pm$ 0.05); standard: BS696, numbered	A, B, E, F	1
03.0082	% Fat: 0 - 8; division: 0.1 ($\pm$ 0.05); standard: IRISH, numbered	A, B, E, F	1
03.0083	% Fat: 0 - 6; division: 0.1 ($\pm$ 0.05); standard: FINN	A, B, E, F	1
03.0084	% Fat: 0 - 7; division: 0.1 ($\pm$ 0.05); standard: FINN	A, B, E, F	1
03.0086	% Fat: 0 - 8; division: 0.1 ($\pm$ 0.03); standard: South Africa, numbered	A, B, E, F	1
03.0087	% Fat: 0 - 6; division: 0.1 ($\pm$ 0.05); standard: BELG	A, B, E, F	1
03.0088	% Fat: 0 - 7; division: 0.1 ($\pm$ 0.05); standard: BELG	A, B, E, F	1
03.0089	% Fat: 0 - 8; division: 0.1 ($\pm$ 0.05); standard: BELG	A, B, E, F	1
03.0090	% Fat: 0 - 4; division: 0.1 ($\pm$ 0.025); standard: BS696, numbered	A, B, E, F	1



03.0108

Milk Butyrometer

With a frosted label on the bulb, ring neck, without a stopper, for milk quantities of 10.73 - 11 ml, accuracy of scale $\pm$ 0.05%.

Order No.	Type	Acc. code	Qty per unit
03.0105	% Fat: 0 - 5; division: 0.1; standard: ISO	E, F	1
03.0106	% Fat: 0 - 6; division: 0.1; standard: ISO	E, F	1
03.0107	% Fat: 0 - 7; division: 0.1; standard: ISO	E, F	1
03.0108	% Fat: 0 - 8; division: 0.1; standard: ISO	E, F	1
03.0109	% Fat: 0 - 9; division: 0.1; standard: ISO	E, F	1
03.0110	% Fat: 0 - 10; division: 0.1; standard: ISO	E, F	1
03.0114	% Fat: 0 - 14; division: 0.2	E, F	1

Skim Milk Butyrometer with Accessories

With a frosted label on the bulb, with a stopper 03.0920, the second stopper has to be ordered separately.

Order No.	Type	Acc. code	Qty per unit
03.0230	% Fat: 0 - 1; division: 0.01; milk: 10.73 - 11 ml; open bulb, ring neck; Sichler	A, B, E, F	1
03.0231	% Fat: 0 - 1; division: 0.01; milk: 10.73 - 11 ml; open bulb, plain neck; Sichler	A, B, E, F	1

Fat determination according to Gerber

Skim Milk Butyrometer without Accessories

With a frosted label on the bulb.

Order No.	Type	Acc. code	Qty per unit
03.0211	% Fat: 0 - 0.5; division: 0.02; milk: 43.5 ml (± 0.5); closed bulb, plain neck, Siegfeld	A, B, E, F	1
03.0221	% Fat: 0 - 1; division: 0.01; milk: 10.73 - 11 ml; closed bulb, plain neck, Sichler	A, B, E, F	1
03.02300	% Fat: 0 - 1; division: 0.01; milk: 10.73 - 11 ml; open bulb, ring neck, Sichler.	A, B, E, F, G	1
03.02310	% Fat: 0 - 1; division: 0.01; milk: 10.73 - 11 ml; open bulb, plain neck, Sichler	A, B, E, F, G	1



03.0221

Cream and Ice Cream Butyrometer Koehler Gerber Standard

Volumetric method for 5 ml cream, with a frosted label on the bulb, plain neck, without a stopper.

Order No.	Type	Acc. code	Qty per unit
03.0303	% Fat: 0 - 30; division: 0.5 (± 0.25)	A, B, E, F	1
03.0304	% Fat: 0 - 40; division: 0.5 (± 0.25)	A, B, E, F	1
03.0305	% Fat: 0 - 50; division: 0.5 (± 0.25)	A, B, E, F	1
03.0306	% Fat: 0 - 50; division: 1.0 (± 0.5)	A, B, E, F	1
03.0307	% Fat: 0 - 60; division: 1.0 (± 0.5)	A, B, E, F	1
03.0308	% Fat: 0 - 70; division: 1.0 (± 0.5)	A, B, E, F	1
03.0309	% Fat: 0 - 80; division: 1.0 (± 0.5)	A, B, E, F	1



03.0308

Cream Butyrometer Koehler Gerber Standard

Volumetric method for 5 ml cream, with a frosted label on the bulb, ring neck, without a stopper.

Order No.	Type	Acc. code	Qty per unit
03.0314	% Fat: 0 - 40; division: 0.5 (± 0.25)	E, F	1
03.0315	% Fat: 0 - 50; division: 0.5 (± 0.25)	E, F	1
03.0317	% Fat: 0 - 60; division: 1.0 (± 0.5)	E, F	1
03.0318	% Fat: 0 - 70; division: 1.0 (± 0.5)	E, F	1
03.0319	% Fat: 0 - 80; division: 1.0 (± 0.5)	E, F	1



03.0315

Cream Butyrometer Koehler according to National Standards

Volumetric method for 5 ml cream, with a frosted label on the bulb, plain neck, without a stopper.

Order No.	Type	Acc. code	Qty per unit
03.0326	% Fat: 0 - 50; division: 0.5 (± 0.25); standard: NOR	A, B, E, F	1
03.0327	% Fat: 0 - 50; division: 1.0 (± 0.5); standard: BELG	A, B, E, F	1



03.0327

Fat determination according to Gerber



03.0332

Ice Cream Butyrometer Koehler

Volumetric method for 5 ml cream, with a frosted label on the bulb, plain neck, without a stopper.

Order No.	Type	Acc. code	Qty per unit
03.0331	% Fat: 0 - 15; division: 0.2	A, B, E, F	1
03.0332	% Fat: 0 - 20; division: 0.2	A, B, E, F	1
03.0333	% Fat: 0 - 25; division: 0.2	A, B, E, F	1

Cream Butyrometer Roeder with Accessories

Weighing method for 5 g cream, with 2 openings, with a frosted label on the bulb, completed with matching rubber stoppers (03.0920/ 03.0925) and a glass beaker without a hole (03.0930).

Order No.	Type	Qty per unit
03.0403	% Fat: 0 - 20 - 40; division: 0.2 ($\pm$ 0.1); standard: CH	1
03.0404	% Fat: 0 - 20 - 40; division: 0.2 ($\pm$ 0.1); standard: CH; officially calibrated; numbered	1
03.0410	% Fat: 0 - 40; division: 0.5 ($\pm$ 0.25); standard: DIN	1
03.0411	% Fat: 0 - 40; division: 0.5 ($\pm$ 0.25); standard: DIN; officially calibrated	1
03.0412	% Fat: 0 - 50; division: 0.5 ($\pm$ 0.25)	1
03.0414	% Fat: 0 - 60; division: 1.0 ($\pm$ 0.5)	1
03.0415	% Fat: 0 - 70; division: 1.0 ($\pm$ 0.5)	1
03.0416	% Fat: 0 - 20 - 50; division: 0.5 ($\pm$ 0.25)	1
03.0417	% Fat: 0 - 35 - 65; division: 0.5 ($\pm$ 0.25)	1
03.0418	% Fat: 0 - 30 - 55; division: 0.5 ($\pm$ 0.25); standard: DIN	1
03.0420	% Fat: 0 - 50 - 75; division: 0.5 ($\pm$ 0.25); standard: DIN	1



03.04140

Cream Butyrometer Roeder without Accessories

Weighing method for 5 g cream, with 2 openings, with a frosted label on the bulb.

Order No.	Type	Acc. code	Qty per unit
03.04030	% Fat: 0 - 20 - 40; division: 0.2 ($\pm$ 0.1); standard: CH	G, H, J	1
03.04040	% Fat: 0 - 20 - 40; division: 0.2 ($\pm$ 0.1); standard: CH; officially calibrated; numbered	G, H, J	1
03.04100	% Fat: 0 - 40; division: 0.5 ($\pm$ 0.25); standard: DIN	G, H, J	1
03.04110	% Fat: 0 - 40; division: 0.5 ($\pm$ 0.25); standard: DIN; officially calibrated	G, H, J	1
03.04120	% Fat: 0 - 50; division: 0.5 ($\pm$ 0.25)	G, H, J	1
03.04140	% Fat: 0 - 60; division: 1.0 ($\pm$ 0.5)	G, H, J	1
03.04150	% Fat: 0 - 70; division: 1.0 ($\pm$ 0.5)	G, H, J	1
03.04160	% Fat: 0 - 20 - 50; division: 0.5 ($\pm$ 0.25)	G, H, J	1
03.04170	% Fat: 0 - 35 - 65; division: 0.5 ($\pm$ 0.25)	G, H, J	1
03.04180	% Fat: 0 - 30 - 55; division: 0.5 ($\pm$ 0.25); standard: DIN	G, H, J	1
03.04200	% Fat: 0 - 50 - 75; division: 0.5 ($\pm$ 0.25); standard: DIN	G, H, J	1

Fat determination according to Gerber

Butyrometer for Condensed Milk and Ice Cream Roeder w/ Acc.

Weighing method for 5 g cream, with 2 openings, with a frosted label on the bulb, completed with matching rubber stoppers (03.0920/ 03.0925) and a glass beaker without hole (03.0930).

Order No.	Type	Qty per unit
03.0430	% Fat: 0 - 20; division: 0.2	1
03.0431	% Fat: 0 - 12; division: 0.2	1
03.0432	% Fat: 0 - 6 - 12; division: 0.1	1

Butyrometer for Condensed Milk and Ice Cream Roeder w/o Acc.

Weighing method for 5 g cream, with 2 openings, with a frosted label on the bulb, accuracy of sale $\pm 0.01\%$.

Order No.	Type	Acc. code	Qty per unit
03.04300	% Fat: 0 - 20; division: 0.2	G, H, J	1
03.04310	% Fat: 0 - 12; division: 0.2	G, H, J	1
03.04320	% Fat: 0 - 6 - 12; division: 0.1	G, H, J	1



03.04310

Ice Cream Butyrometer APHA-SMEDP 13 SPEC

Weighing method for 5 g ice cream, with closed bulb with a frosted label, without a stopper, numbered.

Order No.	Type	Acc. code	Qty per unit
03.0440	% Fat: 0 - 15; division: 0.2	A, B, E, F	1
03.0441	% Fat: 0 - 20; division: 0.2	A, B, E, F	1
03.0442	% Fat: 0 - 25; division: 0.2	A, B, E, F	1



03.0441

Cream Butyrometer according to National Standards

Weighing method for 5 g cream, with closed bulb with a frosted label, plain neck $\varnothing$ 11/12 mm, without a stopper.

Order No.	Type	Acc. code	Qty per unit
03.0450	% Fat: 0 - 70; division: 1.0 (± 0.5); standard: BS696; numbered	A, B, E, F	1
03.0451	% Fat: 0 - 50; division: 0.5 (± 0.25); standard: USA; numbered	A, B, E, F	1
03.0452	% Fat: 0 - 40; division: 0.5 (± 0.25); standard: DIN Schulz	A, B, E, F	1
03.0453	% Fat: 0 - 70; division: 1.0 (± 0.25); standard: IRISH; numbered	A, B, E, F	1



03.0451

Fat determination according to Gerber

Cheese Butyrometer Van Gulik with Accessories

Weighing method for 3 g cheese, with two openings, with a frosted label on the bulb, completed with matching rubber stoppers (03.0920/ 03.0925) and glass beaker with 16 holes (03.0932).

Order No.	Type	Qty per unit
03.0520	% Fat: 0 - 20; division: 0.2	1
03.0540	% Fat: 0 - 40; division: 0.5	1
03.0541	% Fat: 0 - 40; division: 0.5; officially calibrated	1
03.0542	% Fat: 0 - 40; division: 0.5; standard: ISO	1
03.0543	% Fat: 0 - 40; division: 0.5; standard: ISO; officially calibrated	1

Cheese Butyrometer Van Gulik without Accessories

Weighing method for 3 g cheese, with two openings, with a frosted label on the bulb.

Order No.	Type	Acc. code	Qty per unit
03.05200	% Fat: 0 - 20; division: 0.2	G, H, L	1
03.05400	% Fat: 0 - 40; division: 0.5	G, H, L	1
03.05410	% Fat: 0 - 40; division: 0.5; officially calibrated	G, H, L	1
03.05420	% Fat: 0 - 40; division: 0.5; standard: ISO	G, H, L	1
03.05430	% Fat: 0 - 40; division: 0.5; standard: ISO; officially calibrated	G, H, L	1



03.05420

Cheese Butyrometer according to BS and IS

Weighing method, with closed bulb with a frosted label, plain neck Ø 11 mm.

Order No.	Type	Acc. code	Qty per unit
03.0551	% Fat: 0 - 40; division: 1.0; standard: BS696; numbered	A, B, E, F	1
03.0552	% Fat: 0 - 40; division: 1.0; standard: IS 69/1955; numbered	A, B, E, F	1



03.0551

Fat determination according to Gerber

Butter Butyrometer with Accessories

Weighing method for 5 g butter, with two openings, with a frosted label on the bulb, completed with matching rubber stoppers (03.0920/ 03.0925) and a glass beaker with two holes (03.0931).

Order No.	Type	Qty per unit
03.0610	% Fat: 0 - 70 - 90; division: 0.5 ($\pm$ 0.25); standard: DIN	1
03.0611	% Fat: 0 - 70 - 90; division: 0.5 ($\pm$ 0.25); standard: DIN; officially calibrated	1
03.0620	% Fat: 0 - 100; division: 1.0 ($\pm$ 0.5)	1

Butter Butyrometer without Accessories

Weighing method for 5 g butter, with two openings, with a frosted label on the bulb.

Order No.	Type	Acc. code	Qty per unit
03.06100	% Fat: 0 - 70 - 90; division: 0.5 ($\pm$ 0.25); standard: DIN	G, H, K	1
03.06110	% Fat: 0 - 70 - 90; division: 0.5 ($\pm$ 0.25); standard: DIN; officially calibrated	G, H, K	1
03.06200	% Fat: 0 - 100; division: 1.0 ($\pm$ 0.5)	G, H, J, K	1



03.06100

Dry Milk Butyrometer Teichert with Accessories

Weighing method for 2.5 g dry milk, with closed bulb with a frosted label, neck Ø 17/18 mm, completed with a matching rubber stopper (03.0925) and a glassnail (03.0933).

Order No.	Type	Qty per unit
03.0735	% Fat: 0 - 35; division: 0.5 ($\pm$ 0.25)	1
03.0770	% Fat: 0 - 70; division: 1.0 ($\pm$ 0.5)	1

Dry Milk Butyrometer Teichert without Accessories

Weighing method for 2.5 g dry milk, with closed bulb with a frosted label, neck Ø 17/18 mm.

Order No.	Type	Acc. code	Qty per unit
03.07350	% Fat: 0 - 35; division: 0.5 ($\pm$ 0.25)	H, M, N	1
03.07700	% Fat: 0 - 70; division: 1.0 ($\pm$ 0.5)	H, M, N	1



03.07700

Test Certificate for Butyrometers

Order No.	Type	Qty per unit
03.0400	Test certificate Gerber Instruments for butyrometers	1

Accessories Butyrometer



03.0900

Gerbal Stoppers

Order No.	Type	Accessories	Qty per unit
03.0900	GERBAL M stopper with a sleeve length: 23.5 mm	Code: A	1
03.0905	GERBAL F stopper with a ball length: 21.0 mm	Code: C	1



03.0902

Regulating Pins for Gerbal Stoppers

Order No.	Type	Accessories	Qty per unit
03.0902	For GERBAL M Stopper nickel plated brass	Code: B	1
03.0906	For GERBAL F Stopper nickel plated brass	Code: D	1



03.0910

Conical Rubber Stoppers

For milk-, skim milk- and cream butyrometers acc. to Koehler.

Order No.	Type	Accessories	Qty per unit
03.0910	Double conical dimensions: Ø 12/14 x 36 mm	Code: E	1
03.0915	Single conical dimensions: Ø 11/16 x 35 mm	Code: F	1



03.0925

Conical Rubber Stoppers

For butyrometers with two openings.

Order No.	Type	Accessories	Qty per unit
03.0920	Small, single conical dimensions: Ø 10.5/13 x 15 mm	Code: G	1
03.0925	Big, single conical, with a hole for a beaker dimensions: Ø 17.5/22 x 30 mm	Code: H	1
03.0926	Big, single conical, without a hole dimensions: Ø 17.5/22 x 30 mm	Code: I	1



03.0931

Glass Beaker

Order No.	Type	Accessories	Qty per unit
03.0930	Without a hole for cream butyrometers	Code: J	1
03.0931	With 2 holes for butter butyrometers	Code: K	1
03.0932	With 16 holes for cheese butyrometers	Code: L	1

Accessories Butyrometer

Glass Nail

Order No.	Type	Accessories	Qty per unit
03.0933	For the milk powder butyrometers	Code: M	1



Glass Weighing Funnels

Order No.	Type	Accessories	Qty per unit
03.0935	Weighing funnel for milk powder	Code: N	1
03.0936	Weighing funnel for butter	Code: O	1



03.0935

Butyrometer Reading Stand

Convenient and accurate reading of the scale thanks to evenly distributed lightning with 80 LED lights.
Voltage: 110-230 VAC/50-60 Hz.

Order No.	Type	Qty per unit
03.9500	For wall mounting	1
03.9501	For table top mounting	1

Butyrometer Racks

Heat and acid resistant.

Order No.	Type	Qty per unit
03.1500	For 12 butyrometers (polypropylene), 2 x 6 positions (WxDxH) 220 x 80 x 150 mm, 2 handles H=45 mm	1
03.1550	For 36 butyrometers (aluminum), 6 x 6 positions (WxDxH) 265 x 265 x 150 mm, 1 handle H=60 mm	1
03.1560	For 36 butyrometers (aluminum), 3 x 12 positions (WxDxH) 410 x 105 x 155 mm	1



03.1500+03.1521

Shaking Cover

Order No.	Type	Qty per unit
03.1521	For butyrometer rack 03.1500, made of PVC	1

Accessories Butyrometer



25.0001

Cleaning Brush for Butyrometer Scale

Order No.	Type	Qty per unit
25.0001	Ø 9 x 4 mm, length approx. 260 mm	1

Cleaning Brush for Butyrometer Body

Order No.	Type	Qty per unit
25.0002	Ø 30 mm, length approx. 270 mm	1



Safety Eyeshield

These innovative protective spectacles are designed to perfectly fit the face. Their flexible side arms with variable inclination can be individually adjusted accordingly, while the integrated softflex zone ensures outstanding comfort to any head sizes.

Lens: PC clear UV 2C-1.2.

Scratch-resistant and non-fogging on the inside, and the outside is extremely scratchproof, resistant to chemicals and it can be cleaned with great ease thanks to nano-technology.

Order No.	Type	Qty per unit
6.253649	Safety eyeshield i-3 - 9190, anthracite/blue	1

More eyeshields are available in our online shop

Gerber measuring devices

Milk Pipets

Order No.	Type	Qty per unit
03.1000	11.00 ml	1
03.1001	11.00 ml, officially calibrated	1
03.1002	11.00 ml, standard: BELG	1
03.1003	10.75 ml, standard: DIN	1
03.1004	10.75 ml, standard: DIN, officially calibrated	1
03.1005	10.94 ml, standard: BS 696	1
03.1006	10.77 ml, standard: South Africa, USA	1
03.1007	10.80 ml, standard: IRISH	1
03.1008	10.73 ml, standard: NOR	1
03.1010	10 ml	1



03.1000

Cream Pipets

Order No.	Type	Qty per unit
03.1020	5 ml, 20 °C	1
03.1021	5 ml, 40 °C, standard: BELG	1
03.1022	5 ml, 20 °C, standard: NOR	1



03.1020

Water Pipette

Order No.	Type	Qty per unit
03.1030	5 ml	1



Sulfuric Acid Pipets

Order No.	Type	Qty per unit
03.1040	10.0 ml, with 2 bulbs	1
03.1041	10.0 ml, with 2 bulbs, officially calibrated	1
03.1042	17.5 ml, with 2 bulbs, for weighing method	1
03.1043	17.6 ml, with 2 bulbs, for weighing method	1



03.1040

Amyl Alcohol Pipette

Order No.	Type	Qty per unit
03.1050	1 ml, with 1 bulb	1



Gerber measuring devices



03.1111

Tilt Measures Superior

Without moveable parts, with a rubber stopper (03.11002), without a bottle.

Order No.	Type	Qty per unit
03.1111	1 ml for amyl alcohol	1
03.1112	10 ml for sulfuric acid	1

Accessories for Tilt Measures Superior

Order No.	Type	Qty per unit
21.2702	Narrow neck reagent bottle 250 ml, lime soda glass, with a PE stopper	1
03.11002	Spare rubber stopper with 10 mm hole	1



03.1201

Automatic Measures Permanent

With RN glass stopper and tab.

Order No.	Type	Qty per unit
03.1201	1 ml for amyl alcohol	1
03.1202	10 ml for sulfuric acid	1



Support for Permanent Automat Double

Order No.	Type	Qty per unit
03.1231	Included in the delivery: - 03.12311 Base plate - 23.0096 Tripod rod - 23.0137 Tripod ring Ø 100 mm - 03.12313 Tripod ring Ø 80 mm - 03.12315 Drip dish	1

Support for Permanent Automat 1 ml Single

Order No.	Type	Qty per unit
03.1230-1	Included in the delivery: - 03.12303 Base plate - 23.0095 Tripod rod - 03.12313 Tripod ring Ø 80 mm - 03.12315 Drip dish	1

Support for Permanent Automat 10 ml Single

Order No.	Type	Qty per unit
03.1230-10	Included in the delivery: - 03.12303 Base plate - 23.0095 Tripod rod - 23.0137 Tripod ring Ø 100 mm - 03.12315 Drip dish	1

Waterbath Pot

All made of aluminum, requires separate heat source, e.g. hot plate or Bunsen burner.

Order No.	Type	Qty per unit
03.9031	For 8 butyrometers Included in the delivery: - 03.90310 Waterbath - 03.90342 Rack for 8 butyrometers	1
03.9034	For 16 butyrometers Included in the delivery: - 03.90340 Waterbath - 03.90341 Rack for 16 butyrometers	1



Accessories for Waterbath Pot

Order No.	Type	Qty per unit
10.1010	Waterbath-thermometer, mercury filled, graduated every 1 °C, measuring range -10 to +100 °C	1
33.1200	Hotplate with stepless temperature control, hotplate Ø 180 mm, 2000 W, 230 VAC	1
7.672290	Ceran® single boiling plate, Ø 80 - 200 mm, 2200 W, 230 VAC	1

Waterbath Butytherm Mini

To preheat the butyrometers in front of the centrifuging and to adjust the butyrometers at 65 °C for the circle reads.

Specifications:

- Material: Bath of stainless steel
- Capacity: approx. 8 liters
- Int. dimensions (WxDxH): 30 x 15 x 20 cm
- Thermostat: to approx. 90 °C
- Heating: 550 W

Order No.	Type	Qty per unit
03.9100	For 12 butyrometers, 230 VAC	1
03.9101	For 12 butyrometers, 115 VAC	1



Accessories for Waterbath Butytherm Mini

Order No.	Type	Qty per unit
03.9105	Flat lid with 12 openings for butyrometers	1
03.1500	Rack for 12 butyrometers (polypropylene), 2 x 6 positions (WxDxH) 220 x 80 x 150 mm, 2 handles (see on p. 15)	1
03.1521	Shaking cover for butyrometer rack with 12 tests, made of PVC (see on p.15)	1



03.1500+03.1521

Waterbaths



Waterbath WB 22 Pump

The waterbath provides optimal operating comfort with the splash-proof keypad and bright multi display (LED).

Modern microprocessor technology with PID temperature control ensures optimum temperature stability in the waterbath.

The circulation pump is used to improve the temperature distribution.

The adjustable overheating protection protects the samples.

Specifications:

- Material: Made of stainless steel
- Capacity: approx. 22 liters
- Int. dimensions (WxDxH): 49 x 29 x 15 cm
- Temperature range: +5 °C above ambient to 85 °C (± 0.2)
- Power: 1100 W
- Voltage: 230 VAC/50 Hz

Order No.	Type	Qty per unit
30GI.701030	WB 22 Pump for 4 racks 30GI.701096 or for 2 racks 30GI.701097 or for 2 racks 30GI.701096 and 1 rack 30GI.701097	1



30GI.701096

Accessories for Waterbath WB 22 Pump

Order No.	Type	Qty per unit
30GI.701096	Rack for 8 samples, made of stainless steel, 2 x 4 positions (WxDxH) 140 x 65 x 140 mm, 2 handles	1
30GI.701097	Rack for 20 samples, made of stainless steel, 2 x 10 positions (WxDxH) 330 x 65 x 140 mm, 2 handles	1
30GI.701098	Bottom plate for racks	1

Waterbath Eurotherm

Waterbath for tempering liquids with continuous microprocessor control for easy operation.
Radiator made of stainless steel, incl. ground grid, 7-segment LED display.
Display actual value, set point value via one keypress, input set point value in 0.1 °C increments.
Shutdown in case of overheating, sensor damage or lack of water.
Available with circulation pump (option on request) to improve the temperature distribution.



Specifications:

- Material:	Made of white PP, thickness 10 mm
- Temperature range:	10 °C above ambient to 95 °C (± 0.3)
- Power:	1100 W
- Voltage:	230 VAC/50 Hz

Order No.	Type	Qty per unit
03.9201	Model: W1/8, 8 liters, for 1 butyrometer rack 03.1500 (12 Buty) int. dimensions (WxDxH): 23 x 18 x 20 cm	1
03.9202	Model: W1/10, 10 liters, for 2 butyrometer racks 03.1500 (24 Buty) int. dimensions (WxDxH): 23 x 23 x 20 cm	1
03.9203	Model: AET12, 12 liters, for 1 rack with 30 butyrometers int. dimensions (WxDxH): 39 x 15 x 20 cm	1
03.9204	Model: AET20, 20 liters, for 4 butyrometer racks 03.1500 (48 Buty) int. dimensions (WxDxH): 39 x 25 x 20 cm	1

Accessories for Waterbath Eurotherm

Order No.	Type	Qty per unit
03.9205	Flat lid for waterbath model W1/8	1
03.9206	Flat lid for waterbath model W1/10	1
03.9207	Flat lid for waterbath model AET12	1
03.9208	Flat lid for waterbath model AET20	1
03.9211	Gabled lid for waterbath model W1/8	1
03.9212	Gabled lid for waterbath model W1/10	1
03.9213	Gabled lid for waterbath model AET12	1
03.9214	Gabled lid for waterbath model AET20	1
03.9210	Butyrometer shaker for 18 butyrometers with scale up, suitable for waterbaths with int. dimensions (WxDxH): 39 x 25 x 20 cm and 39 x 15 x 20 cm	1



03.9210

Further options for these waterbaths available on request

Gerber Centrifuges



Centrifuge Gerber Universal

Multipurpose centrifuge for the dairy laboratory.

3 pre-programmed speeds for:

- Gerber Butyrometers (350 x g)
- Solubility in milk powder (164 x g)
- Extraction tubes Roese-Gottlieb/Mojonnier (80 x g)
- 1 variable speed range (200-1300 rpm), on request

Specifications:

- Timer 0 to 255 minutes
- Automatic brake
- Heating (option) with variable temperature setting up to 65 °C (1200 W)
- Microprocessor control with an LED display to show speed, run time, temperature and error messages
- Cover lock
- Steel casing (WxDxH): 64 x 64 x 45 cm

Order No.	Type	Qty per unit
03.3110-12	230 VAC/50 Hz, without heating and with universal rotor for 12 positions, without inserts (order separately)	1
03.3110-36	230 VAC/50 Hz, without heating and with special rotor incl. 36 sleeves (03.3340)	1
03.3111-12	115 VAC/60 Hz, without heating and with universal rotor for 12 positions, without inserts (order separately)	1
03.3111-36	115 VAC/60 Hz, without heating and with special rotor incl. 36 sleeves (03.3340)	1
03.3112-12	230 VAC/50 Hz, with heating and universal rotor for 12 positions, without inserts (order separately)	1
03.3112-36	230 VAC/50 Hz, with heating and special rotor incl. 36 sleeves (03.3340)	1
03.3113-12	115 VAC/60 Hz, with heating and universal rotor for 12 positions, without inserts (order separately)	1
03.3113-36	115 VAC/60 Hz, with heating and special rotor incl. 36 sleeves (03.3340)	1

Accessories for Centrifuge Gerber Universal

Universal Rotor for Centrifuge Gerber Universal

Order No.	Type	Qty per unit
03.3300	12 places, without inserts (order separately)	1



Inserts for Universal Rotor (order separately)

Order No.	Type	Qty per unit
03.1630	Butyrometer insert Gerber sleeve with ring, made of stainless steel, Ø int. 26 mm, for butyrometers, solubility tubes and Roesse-Gottlieb tubes	1
03.1631	Insert for ADPI solubility tubes made of stainless steel, Ø int. 31 mm, for solubility tubes according to ADPI	1
03.1632	Mojonnier insert insert with holder made of aluminum, for Mojonnier tubes	1
03.1633	Babcock insert (on request) made of stainless steel, Ø int. 38 mm, for babcock bottles	1

Special Rotor for Centrifuge Gerber Universal

Order No.	Type	Qty per unit
03.3340	Complete with 36 swing out places, made of stainless steel, for Gerber butyrometers and solubility tubes according to Gerber	1
03.3341	Sleeve for special rotor, made of stainless steel, Ø int. 26 mm	1



Gerber Centrifuges



Centrifuge Gerber Micro II

Small centrifuge for the determination of fat in milk and dairy products and solubility of milk powder according to Gerber.

Specifications:

- Timer
- Automatic brake
- Heating with variable temperature setting (600 W)
- Microprocessor control with digital reading
- Cover lock
- Steel casing (WxDxH): 43 x 46 x 28 cm
- Incl. rotor (of aluminum) and bushing (of brass)

Order No.	Type	Qty per unit
03.2250	For 8 butyrometers, 230 VAC/50 Hz	1
03.2251	For 8 butyrometers, 115 VAC/60 Hz	1
03.2260	For 12 butyrometers, 230 VAC/50 Hz	1
03.2261	For 12 butyrometers, 115 VAC/60 Hz	1
03.2270	For 8 babcock bottles, 230 VAC/50 Hz	1
03.2271	For 8 babcock bottles, 115 VAC/60 Hz (on request)	1

Consumables for Centrifuge Gerber Micro II

Order No.	Type	Qty per unit
03.16269-8	Bushing of brass, Ø int. 25.5 mm	8
03.16269-12	Bushing of brass, Ø int. 25.5 mm	12

Extraction methods to determine the fat content

Mojonnier Analyzer Moplant

Complete apparatus to determine fat and total solids in milk and dairy products according to the Mojonnier process. The milktester Moplant makes it easy to perform the weight analytical extraction method according to Roese-Gottlieb and Schmid-Bondzynski. All necessary activities like dissolving, extracting, centrifugation, pouring off, evaporating, drying, cooling and weighing can be performed in one place.

Specifications:

- Material: Made of stainless steel
- Voltage: 400 VAC/50 Hz
- Ex-safe



04.3221

Order No.	Type	Qty per unit
04.3221	Mojonnier apparatus single 1 vacuum chamber, 1 cooling chamber ext. dimensions (WxDxH): 1939 x 1053 x 1426 mm, weight: 250 kg	1
04.3231	Mojonnier apparatus double 2 vacuum chambers, 2 cooling chambers ext. dimensions (WxDxH): 2384 x 1053 x 1426 mm, weight: 350 kg	1

More Equipment for Fat Extraction

Centrifuge Gerber Universal

Multipurpose centrifuge for the dairy laboratory (see on p. 22).

Order No.	Type	Qty per unit
03.3110-12	230 VAC, without heating and with universal rotor for 12 positions, without inserts (order separately)	1
03.3111-12	115 VAC, without heating and with universal rotor for 12 positions, without inserts (order separately)	1



Inserts (for the universal rotor - order separately)

Order No.	Type	Qty per unit
03.1630	Butyrometer insert Gerber for Roese-Gottlieb tubes (see on p. 23)	1
03.1632	Mojonnier insert for Mojonnier tubes (see on p. 23)	1
03.163201	Spare suction cup for Mojonnier insert	1



03.1632

Shaking Machine Rototube

Rototube makes it easy to mix samples. It is powered by compressed air (compressed air supply in the laboratory is required).

Order No.	Type	Qty per unit
04.3100	For 8 Mojonnier flasks	1



Extraction methods to determine the fat content



04.3000

Extraction Flasks acc. to Mojonnier

Made of borosilicate glass.

Order No.	Type	Qty per unit
04.3000	Standard: DIN, round bulb, with a cork stopper (04.30000-1)	1
04.3001	Standard: DIN, round bulb, with a glass stopper NS 19	1
04.3002	Standard: ISO, A-shape, flat bulb, with a cork stopper (04.30001-1)	1
04.3003	Standard: ISO, C-shape, round bulb, with a cork stopper (04.30001-1)	1
04.30020	Standard: US G3, flat bulb, max. weight: 60 g, without a stopper	1



Cork Stoppers for Extraction Flasks

Order No.	Type	Qty per unit
04.30000-1	Ø 14/17 x 27 mm for 04.3000	1
04.30001-1	Ø 15/18 x 27 mm for 04.3002 and 04.3003	1
04.30000	Ø 14/17 x 27 mm for 04.3000	100
04.30001	Ø 15/18 x 27 mm for 04.3002 and 04.3003	100



Rack for Mojonnier Flasks

Order No.	Type	Qty per unit
04.3004	For 8 Mojonnier tubes, made of PP	1



Extraction Flasks acc. to Roese-Gottlieb

Made of borosilicate glass.

Order No.	Type	Qty per unit
04.3005	With a cork stopper	1
04.3006	With a glass stopper	1

Siphon Fitting to Roese-Gottlieb Flasks

Order No.	Type	Qty per unit
04.3007	With arrival and suction tube and a matching cork stopper (04.30070)	1

Equipments for the Soxhlet method would be available in our online shop

Extraction methods to determine the fat content

General Accessories for Fat Extraction

Weighing Pipets

Order No.	Type	Qty per unit
04.3020	1 ml, bent	1
04.3021	2 ml, bent	1
04.3022	5 ml, bent	1



04.3022

Rack for 4 Weighing Pipets

Order No.	Type	Qty per unit
04.3025	For 4 bent pipets	1



Aluminum Dishes

Ø 85 x 50 mm, without a lid, numbered.

Order No.	Type	Qty per unit
04.3030	Set with 8 dishes	8
04.3031	Set with 16 dishes	16

Dry matter and moisture determination



05.0010

Evaporating Dishes

Order No.	Type	Qty per unit
05.0000	Ø 60 x 60 mm, made of aluminum, without a lid, approx. 50 g	1
05.0005	Ø 60 x 30 mm, made of anodized aluminum, without a lid, approx. 30 g	1
05.0006	Ø 75 x 25 mm, made of nickel, with a knob lid	1
05.0007	Ø 90 x 16 mm, made of nickel, with a knob lid	1
05.0009	Ø 102 x 44 mm, made of INOX 18/10, with a knob lid	1
05.0010	Ø 80 x 43 mm, made of INOX 18/10, with a knob lid	1
05.0011	Ø 65 x 40 mm, made of INOX 18/10, with a knob lid	1
05.0021	Numbering per dish according to customer specifications	1



Evaporating Dish Liebefeld

To determine the water content in cheese.

Order No.	Type	Qty per unit
05.0020	Ø 60 x 30 mm, made of anodized aluminum, cap with bayonet type cover lock	1
05.0021	Numbering per dish according to customer specifications	1



Pestle for Evaporating Dish Liebefeld

Order No.	Type	Qty per unit
05.0022	Made of glass, Ø 8/16 mm, length 60 mm	1



Crucible Tongs

Made of 18/10 steel, double bent, with gripping tips.

Order No.	Type	Qty per unit
9.310122	Length 220 mm	1
9.310125	Length 250 mm	1
9.310130	Length 300 mm	1



Total Solids Calculator Ackermann

To calculate total solids in milk, based on fat content and specific gravity. 2 discs with readings of lactometer degrees (at 15°C) and Gerber fat from 0.7 to 6 %. Outside disc contains total solids reading.

Order No.	Type	Qty per unit
05.0050	Total solids calculator Ackermann	1

Dry matter and moisture determination

Quartz Sand/Sea Sand

Washed and annealed, grain size 0.1 to 0.3 mm.

Order No.	Type	Qty per unit
05.0030	1 kg	1
05.0032	5 kg	1
05.0031	25 kg	1

Vacuum Desiccators

DURAN clear glass, with NOVUS tubus RN 24/29 and stopcock assembly in lid, vacuum tight.

Order No.	Type	Qty per unit
9.042119	Ø int. 100, height 174 mm	1
9.042131	Ø int. 150, height 239 mm	1
9.042138	Ø int. 200, height 296 mm	1
9.042143	Ø int. 250, height 344 mm	1
9.042147	Ø int. 300, height 420 mm	1



Desiccator Plates

Made of porcelain, without feet, with a hole Ø 20 mm in the center and with outer holes Ø 5 mm.

Order No.	Type	Qty per unit
9.042509	Ø 90 mm	1
9.042514	Ø 140 mm	1
9.042519	Ø 190 mm	1
9.042523	Ø 235 mm	1
9.042528	Ø 280 mm	1



Desiccant Beads

Orange as the indicator color. Grain size 1 to 3 mm or 2 to 5 mm. This is self-indicating drying agent (white silica gel) is free from any heavy metals and would be environmentally friendly.

Order No.	Type	Qty per unit
6.267160	1 kg box, grain size 1 to 3.15 mm	1
6.267161	3 kg box, grain size 1 to 3.15 mm	1
9.042543	1 kg box, grain size 2 to 5 mm	1
9.042544	3 kg box, grain size 2 to 5 mm	1



Dry matter and moisture determination



30GI.601010

Ovens Type TSN

Specifications:

- With natural convection
- Temperature range: + 5 °C above ambient to 300 °C
- With digital temperature controller
- Safety class 3.1
- Stainless steel shelves
- Calibration certificate (150°C)
- 230 VAC

Order No.	Type	Qty per unit
30GI.601010	TSN 50, volume: 50 l, power: 1000 W int. dimensions (WxDxH): 400 x 330 x 420 mm ext. dimensions (WxDxH): 665 x 470 x 635 mm	1
30GI.601020	TSN 115, volume: 115 l, power: 1900 W int. dimensions (WxDxH): 520 x 450 x 495 mm ext. dimensions (WxDxH): 790 x 600 x 750 mm	1



30GI.602020

Ovens Type TSF

Specifications:

- With forced convection
- Temperature range: + 10 °C above ambient to 300 °C
- With digital temperature controller
- Safety class 3.1
- Stainless steel shelves
- Calibration certificate (150°C)
- 230 VAC

Order No.	Type	Qty per unit
30GI.602010	TSF 50, volume: 50 l, power: 980 W int. dimensions (WxDxH): 400 x 310 x 415 mm ext. dimensions (WxDxH): 665 x 570 x 635 mm	1
30GI.602020	TSF 120, volume: 120 l, power: 1900 W int. dimensions (WxDxH): 520 x 435 x 530 mm ext. dimensions (WxDxH): 785 x 690 x 750 mm	1

More ovens can be obtained at: www.gerber-instruments.com

Dry matter and moisture determination

Moisture Analyzer BM 65

The newly developed moisture analyzer BM 65 is characterized by numerous features, helping the user make working and testing with the instrument easy and convenient.

The large, backlit display makes it very easy to read under any conditions of light.

Various parameters can be displayed simultaneously.

Specifications:

- Max. capacity: 65 g
- Readability: 0.001 g/ 0.01 %
- Reproducibility: 0.002 g/ 0.05 %
- Weighing units: Gram, % moisture, % solids, % moisture on dry base (ATRO %M)
solids on dry base, (ATO %S)
- Stabilisation time: 4 seconds
- Internal memory: up to 99 test results or 49 programmable user settings
- Calibration: Automatic external
- Heating source: 440 W halogen heater 50 to 160 °C
- Drying programs: Standard one step or up to 3 temp setting ramps
- Display: Large, backlit LCD display with 24 mm size digits
- RS232 interface
- Bilingual menu (G/E)



Order No.	Type	Qty per unit
30PI.BM-65	Moisture analyzer BM 65	1

Accessories for Moisture Analyzer BM 65

Order No.	Type	Qty per unit
6.236854	Weighing dishes, aluminum, Ø 101 x 8 mm	50
30PI.AAC70	Weighing dishes, aluminum, Ø 100 x 8 mm, with knurled edge	250
74.6906940	Glass fibre filters Ø 90 mm, to use with liquid, pasty and fatty samples, hard quality	80



Dry matter and moisture determination



Analytical Balances

Simple recipe/documenting with a combined tare/print function, mixing ingredients for the recipe are numbered automatically.

Single-Cell Technology:

- Fully automatic manufactured weighing cell from one piece
- Stable temperature behavior
- Short stable time, steady weight values within approx 3 sec under laboratory conditions

Specifications:

- Housing (WxDxH): 210 x 340 x 325 mm
- Weighing chamber (WxDxH): 174 x 162 x 227 mm
- Ambient temperature: 10 °C/30 °C
- Net weight: 6 kg

Order No.	Type	Qty per unit
9.901452	ABS 120-4N, capacity 120 g, readability 0.1 mg, Ø-plate 91 mm	1
9.901453	ABS 220-4N, capacity 220 g, readability 0.1 mg, Ø-plate 91 mm	1

Accessories for Analytical Balances



Sample Dishes/Weighing Dishes

One-time use sample dishes, made of aluminum.

Order No.	Type	Qty per unit
6.205225	Ø 100 mm, height 7 mm	80
42.0290	Ø 100 mm, height 7 mm	80



Spoon Spatulas

Made of steel 18/10, deep form.

Order No.	Type	Qty per unit
9.150315	Length 150 mm	1
9.150318	Length 180 mm	1



Tweezers

Made of steel 18/10.

Order No.	Type	Qty per unit
9.171311	Length 115 mm	1
9.171313	Length 130 mm	1

Specific weight

Thermolactodensimeter Gerber large Model with Thermometer

- Measuring range: 1025-1036 kg/m³
- Special alloy ballast
- Division: 0.5 kg/m³
- Dimensions: approx. Ø 30 x 360 mm
- Thermometer: 10 to 30 °C above density scale
- Reading above stem

Order No.	Type	Qty per unit
05.1000	T = 20 °C	1
05.1001	T = 20 °C, officially calibrated, without certificate	1
05.1002	T = 15 °C	1
05.1003	T = 20 °C, officially calibrated, with certificate	1



05.1000

Lactodensimeter Gerber without Thermometer with Density Scale

- Measuring range: 1020-1040 kg/m³
- Special alloy ballast
- Division: 0.5 kg/m³
- Dimensions: approx. Ø 29 x 240 mm
- With negative scale
- With density scale on black background
- Reading above stem

Order No.	Type	Qty per unit
05.1007	T = 15 °C (replacement for 05.1006)	1
05.1008	T = 20 °C (replacement for 05.1005)	1



05.1008

Thermometer for Lactodensimeter Gerber with Density Scale

To correct temperatures of 05.1007 and 05.1008.

Order No.	Type	Qty per unit
6.250170	Measure range: -10 to +50 °C:0.5 °C, solid stem, red filling, Ø 6 mm, length approx. 300 mm, immersion depth 76 mm	1

Specific weight



05.1010

Thermolactodensimeter Gerber small Model with Thermometer

- Special alloy ballast
- Division: 0.5 kg/m³
- Dimensions: approx. Ø 22 x 230 mm
- Thermometer: 0 to 40 °C in body
- Reading above stem

Order No.	Type	Measuring range	Qty per unit
05.1010	T = 20 °C	1025-1036 kg/m ³	1
05.1011	T = 15 °C	1025-1036 kg/m ³	1
05.1012	T = 20 °C	1020-1040 kg/m ³	1
05.1013	T = 15 °C	1020-1040 kg/m ³	1



05.1517

Lactodensimeter Gerber without Thermometer

- Measuring range: 1025-1036 kg/m³
- Special alloy ballast
- Division: 0.5 kg/m³
- Dimensions: approx. Ø 30 x 300 mm
- Reading above stem

Order No.	Type	Qty per unit
05.1517	T = 20 °C	1
05.1518	T = 15 °C	1



05.1020

Thermolactodensimeter Quevenne with Thermometer

- Measuring range: 1015-1040 Quevenne
- Special alloy ballast
- Division: 1 Quevenne
- Dimensions: approx. Ø 23 x 270 mm
- Color scale
- Thermometer: 0 to 40 °C above density scale
- Reading above stem

Order No.	Type	Qty per unit
05.1020	T = 20 °C	1
05.1021	T = 15 °C	1
05.1022	T = 20 °C, red alcohol filling	1



05.1026

Lactodensimeter Quevenne without Thermometer

- Measuring range: 1015-1040 Quevenne
- Special alloy ballast
- Division: 1 Quevenne
- Dimensions: approx. Ø 22 x 220 mm
- Color scale
- Reading above stem

Order No.	Type	Qty per unit
05.1025	T = 20 °C	1
05.1026	T = 15 °C	1

Hydrometer for Condensed Milk without Thermometer

- Special alloy ballast
- T = 20 °C

Order No.	Measuring range	Division	Dimensions	Qty per unit
05.1030	1040-1080 kg/m ³	1.0 kg/m ³	approx. Ø 22 x 280 mm	1
05.1031	1000-1240 kg/m ³	2.0 kg/m ³	approx. Ø 22 x 310 mm	1



05.1030

Hydrometer for Yogurt and Cocoa with Thermometer

- Measuring range: 1030-1060 kg/m³
- Special alloy ballast
- Division: 1.0 kg/m³
- Dimensions: approx. Ø 22 x 230 mm
- Thermometer: 0 to 40 °C

Order No.	Type	Qty per unit
05.1032	T = 20 °C	1



Hydrometer for Buttermilk Serum without Thermometer

- Measuring range: 1014-1030 kg/m³
- Special alloy ballast
- Division: 2.0 kg/m³
- Dimensions: approx. Ø 22 x 240 mm
- Reading above stem

Order No.	Type	Qty per unit
05.1033	T = 20 °C	1

Hydrometer for Whey with Thermometer

- Measuring range: 1005-1025 kg/m³
- Special alloy ballast
- Division: 2.0 kg/m³
- Dimensions: approx. Ø 18 x 230 mm
- Thermometer: 0 to 40 °C

Order No.	Type	Qty per unit
05.1034	T = 20 °C	1

Specific weight



05.1035

Special Hydrometer without Thermometer

- Special alloy ballast
- T = 20 °C
- Division: 1.0 kg/m³

Order No.	Type	Measuring range	Dimensions	Qty per unit
05.1035	A	1050-1300 kg/m ³	approx. Ø 20 x 400 mm	1
05.1037	B	1044-1057 kg/m ³	approx. Ø 28 x 320 mm	1
05.1039	C	1029-1042 kg/m ³	approx. Ø 28 x 345 mm	1
05.1041	D	1040-1100 kg/m ³	approx. Ø 20 x 335 mm	1
05.1043	E	1023-1038 kg/m ³	approx. Ø 24 x 305 mm	1
05.1045	F	1010-1030 kg/m ³	approx. Ø 17 x 330 mm	1
05.1049	H	1030-1140 kg/m ³	approx. Ø 17 x 330 mm	1

Special Hydrometer with Thermometer

- Special alloy ballast
- T = 20 °C
- Division: 1.0 kg/m³
- Thermometer: 0 to 40 °C

Order No.	Type	Measuring range	Dimensions	Qty per unit
05.1038	B	1044-1057 kg/m ³	approx. Ø 28 x 320 mm	1
05.1040	D	1040-1100 kg/m ³	approx. Ø 20 x 335 mm	1
05.1042	E	1023-1038 kg/m ³	approx. Ø 24 x 305 mm	1
05.1048	G	1023-1038 kg/m ³	approx. Ø 17 x 220 mm	1



05.1160

Hydrometer for Sulfuric Acid without Thermometer

To monitor and adjust the fat determination conducted by Gerber

- Special alloy ballast
- T = 20 °C
- Division: 0.1 kg/m³

Order No.	Measuring range	Dimensions	Qty per unit
05.1160	1800-1850 kg/m ³	approx. Ø 24 x 270 mm	1
05.1161	1500-1550 kg/m ³	approx. Ø 20 x 270 mm	1



Hydrometer for Amyl Alcohol without Thermometer

To monitor and adjust the fat determination conducted by Gerber

- Special alloy ballast
- T = 20 °C
- Division: 0.1 kg/m³
- Dimensions: approx. Ø 25 x 260 mm

Order No.	Measuring range	Qty per unit
05.1165	800-840 kg/m ³	1

Hydrometer for Brine acc. to Baumé without Thermometer

- Special alloy ballast
- T = 15 °C
- Division: 0.1 Bé

Order No.	Measuring range	Length	Qty per unit
9.004301	0-1 Bé	approx. 260 mm	1
9.004302	0-2 Bé	approx. 260 mm	1
05.1151	0-30 Bé	approx. 250 mm	1
05.1153	0-50 Bé	approx. 250 mm	1



05.1151

Hydrometer for Brine acc. to Bischoff without Thermometer

Order No.	Measuring range	Length	Qty per unit
6.079097	0-27 g/l	approx. 270 mm	1

Alcohol Hydrometer

- Special alloy ballast
- T = 20 °C
- Division: 1.0 Vol.- %/1.0 °Oe

Order No.	Measuring range	Dimensions	Qty per unit
05.1170	35-75 Vol.-%, with thermometer 0 to 35 °C	approx. Ø 15 x 320 mm	1
05.1171	0-100 Vol.-%, with thermometer 0 to 35 °C	approx. Ø 15 x 330 mm	1
05.1172	0-130 °Oe, with thermometer 0 to 35 °C	approx. Ø 16 x 320 mm	1
05.1173	0-100 Vol.-%, without thermometer	approx. Ø 17 x 260 mm	1



05.1171

Alcohol Hydrometer without Thermometer

- Special alloy ballast
- T = 20 °C
- Division: 0.2 Vol.- %
- Length: approx. 340 mm

Order No.	Measuring range	Qty per unit
05.11650	0-20 Vol.-%	1
05.1166	20-40 Vol.-%	1
05.1167	40-60 Vol.-%	1
05.1168	60-80 Vol.-%	1
05.1169	80-100 Vol.-%	1

Specific weight

Alcohol Hydrometer Class II without Thermometer

- T = 20 °C
- Division: 0.1 Vol.-%
- Length: approx. 380 mm

Order No.	Measuring range	Qty per unit
6.200767	0 - 10 Vol.-%	1
6.231928	10 - 20 Vol.-%	1
6.250252	20 - 30 Vol.-%	1
6.227043	30 - 40 Vol.-%	1
6.250253	40 - 50 Vol.-%	1
6.227045	50 - 60 Vol.-%	1
6.250254	60 - 70 Vol.-%	1
6.227046	70 - 80 Vol.-%	1
6.228414	80 - 90 Vol.-%	1
6.227047	90 - 100 Vol.-%	1



05.1193

Precision Hydrometer without Thermometer

- Special alloy ballast
- T = 20 °C
- Division: 1.0 kg/m³
- Length: approx. 300 mm

Order No.	Measuring range	Qty per unit
05.1176	600-700 kg/m ³	1
05.1177	700-800 kg/m ³	1
05.1178	800-900 kg/m ³	1
05.1179	900-1000 kg/m ³	1
05.1191	1000-1100 kg/m ³	1
05.1192	1100-1200 kg/m ³	1
05.1193	1200-1300 kg/m ³	1
05.1194	1300-1400 kg/m ³	1
05.1184	1400-1500 kg/m ³	1
05.1185	1500-1600 kg/m ³	1
05.1186	1600-1700 kg/m ³	1
05.1187	1700-1800 kg/m ³	1
05.1188	1800-1900 kg/m ³	1
05.1189	1900-2000 kg/m ³	1

Remarks to Lactodensimeters and Hydrometers

The official international unit of density is: kg/m^3 .

We have adapted the unit of measurement ranges of our lactodensimeters/hydrometers to the international standard.

During the changeover to the new unit, it would be possible that you still get instruments with older, but still valid units e.g. g/ml or g/cm^3 .

General Accessories for Hydrometers

Test Certificate for Hydrometers

Order No.	Type	Qty per unit
05.1004	Test certificate Gerber Instruments for hydrometers	1

Hydrometer Jars

Made of PP, with an overflow chamber and a spout.

Order No.	Type	Qty per unit
9.004900	Capacity 500 ml, Ø 50 mm, height 350 mm	1

Multi Purpose Cylinders for Hydrometers

Made of DURAN glass, with a base, rim roughly ground, can be autoclaved.

Order No.	Type	Qty per unit
9.318052	Capacity 380 ml, Ø 40 mm, height 300 mm	1
9.318068	Capacity 500 ml, Ø 40 mm, height 400 mm	1
9.318053	Capacity 600 ml, Ø 50 mm, height 300 mm	1



Fig. similar

Suspended Glass Cylinder (Cardanic Suspension)

For all lactometers and hydrometers. Offers better reading of the hydrometers at the height of the eyes and fast sample change.

Order No.	Type	Qty per unit
05.1205	Suspended glass cylinder with gimbal/cardanic suspension Included in the delivery: 05.12050 Cardanic suspension 05.12051 Glass cylinder. with an overflow and drain cock 05.12052 Base plate	1
05.12051	Spare glass cylinder with an overflow and drain cock Ø 41 mm, length 360 mm	1
05.12053	Spare glass cylinder without an overflow and drain cock, Ø 44 mm, length 450 mm	1



Detection of added water in milk



Lactic Meter

For fast refractive determination of total solids and added water in milk. The lactic meter offers a fast, coarse result of solids and non-fat in milk samples, without laboratory analysis. Once a drop of milk is placed on the prism and the result can be immediately read. Samples with probability of addition of water can be securely isolated and brought to the laboratory for a more accurate analysis.

Order No.	Type	Qty per unit
05.2000	Lactic meter 0-20 %	1

Cryoscope Gerber Standard

Freezing point determination with double walled, isolated cooling container, without an electric stirrer.

Included in the delivery:

- 05.2108 Cooling container
- 05.2202 Sample tube
- 05.21011 Stirrer small (for sample tube)
- 05.21012 Stirrer large (for cooling container)
- 05.2203 Cryoscope thermometer (for milk sample)
- 10.1000 Cooling thermometer (for cooling container)
- 05.2201 Calculator for added water
- 05.21001 Stopper PVC
- 05.21006 Stopper with hole



Order No.	Type	Qty per unit
05.2100	Cryoscope Gerber Standard complete	1

Consumables for Cryoscope Gerber Standard

Order No.	Type	Qty per unit
05.2201	Calculator for added water to convert the freezing point in % of added water with the compensation of the temperature correction of the cryoscope thermometer	1
05.2202	Sample tube, RN 34, Ø 30 x 188 mm	1
05.2203	Cryoscope thermometer for the milk sample, measuring range: -1.2 to + 0.4 °C, scaling: 0.01 °C, with test certificate	1
10.1000	Cooling thermometer for the cooling container, measuring range: -30 to + 50 °C scaling: 0.1 °C, length approx. 270 mm	1

Cryoscopes



05.25501

Cryoscope C1

To reliably and rapidly determine the freezing point in milk acc. to ISO 5764/IDF 108. During the daily inspection of water content in raw milk, the device would be working extremely quietly. The dynamic cooling system, allows a maximum sample throughput even at ambient temperatures up to 35 °C.

Specifications:

- Robust and compact design
- Easy to calibrate
- Adjustable amplitude of the stirrer
- Time or plateau mode selectable
- Indication in m°C or m°H
- Touchscreen
- Data output to an external printer and/or PC selectable
- Worldwide support over the Internet possible
- Sample volume: 2.0 ml or 2.5 ml
- Measuring range: 0 to -1000 m°C/m°H
- Resolution: 0.1 m°C/m°H
- Voltage: 110 - 240 VAC/50 - 60Hz

Included in the delivery:

- 05.5024 Standard solution 408, 250 ml
- 05.5025 Standard solution 512, 250 ml
- 05.5026 Standard solution 600, 250 ml
- 05.5027 Heat transfer fluid, 250 ml
- 05.5028 Coolant C1, 250 ml
- 05.5020 Test tubes 2.0 ml, with ring marks
- 05.25186 User manual
- 05.25184 Instrument setup
- 05.25086 Country-specific power cord

Order No.	Type	Qty per unit
05.25500	C1 Manual for 1 sample	1
05.25501	C1A Automat for 12 samples	1



05.25502



05.5030

Accessories for Cryoscope C1 and C1A

Order No.	Type	Qty per unit
05.25504	Set: printer incl. USB RS232 adapter, print paper	1
05.25502	Printer with power supply and USB cable	1
05.25503	USB RS232 adapter	1
6.235043	Pipette 2.0 ml fix volume	1
6.258006	Pipette 2.5 ml fix volume	1
05.5030	Test tube rack for 30 sample tubes, made of stainless steel	1
05.25095	USB Ethernet adapter	1

Cryoscopes

Consumables for Cryoscope C1 and C1A

Order No.	Type	Qty per unit
05.5024	Standard solution 408, 250 ml	1
05.5025	Standard solution 512, 250 ml	1
05.5026	Standard solution 600, 250 ml	1
05.5027	Heat transfer fluid, 250 ml	1
05.5028	Coolant C1, 250 ml	1
05.5020	Test tubes with a ring mark at 2.0 ml	10
05.5021	Test tubes with a ring mark at 2.5 ml	10
05.5022	Test tubes with ring marks at 2.0 and 2.5 ml	10
9.411501	Pipette tips, 2 ml	500
9.411449	Pipette tips, 5 ml	500
05.25505	Print paper	10



05.5024-05.5026



05.5020

Special examinations in butter

Fat-Free Dry Matter (Butyra Test)

The Butyra test is used to rapidly determine the fat-free dry mass in unsalted butter during the manufacturing process.

The sample is weighed in the sample vial, evaporated at about 180 °C and then centrifuged.

In less than 10 minutes fat-free dry matter content can be read directly on the graduated sample container.

Order No.	Type	Qty per unit
05.6100	Butyra test sample tube, made of glass, with graduation	1
05.6101	Stirrers to Butyra test	200

Water Distribution in Butter

With the Wator quick testing kit, you can determine the size and number of water droplets in butter quickly and easily. The water droplets are shown as dark blue colored spots whose number and size are considered as a standard for water distribution. The assessment is based on a 5-point rating system (DIN 10311).

Order No.	Type	Qty per unit
7.075920	Water butter test paper, papersize 78 x 40 mm	50

Loops according to Prof. Burri with Handle

Platinum wire Ø 0.5 x 60 mm, 10 % iridium, with an aluminum handle and removable cap.

Order No.	Type	Qty per unit
06.0000	Loop Ø: 1.3 mm, loop volume: 0.001 ml	1
06.0001	Loop Ø: 1.5 mm, loop volume: 0.001 ml	1
06.0002	Loop Ø: 3.0 mm, loop volume: 0.01 ml	1
06.0003	Loop Ø: 2.5 mm, loop volume: 0.01 ml	1
06.0004	Without loop	1



06.0001

Loops according to Prof. Burri without Handle

Platinum wire Ø 0.5 x 65 mm, 10 % iridium.

Order No.	Type	Qty per unit
06.0010	Loop Ø: 1.3 mm, loop volume: 0.001 ml	1
06.0011	Loop Ø: 1.5 mm, loop volume: 0.001 ml	1
06.0012	Loop Ø: 3.0 mm, loop volume: 0.01 ml	1
06.0013	Loop Ø: 2.5 mm, loop volume: 0.01 ml	1

Loop Holder

Order No.	Type	Qty per unit
9.160020	Dissecting needle holder acc. to Kolle with wire Ø 0.3 to 0.7 mm	1



Platinum Wire

10 % iridium, sold per cm.

Order No.	Type	Qty per unit
06.0005	Ø 0.5 mm	1
06.0006	Ø 0.6 mm	1
06.0007	Ø 0.8 mm	1

Platinum Loop

For Thompson method, cannula Ø 3.0/2.4 mm, loop Ø 1.3 mm, length approx. 30 mm, permanently welded.

Order No.	Type	Qty per unit
06.0021	Platinum loop with Luer-Lock joint, loop volume: 0.001 ml	1



Microbiology



Self Filling Syringes Dosys TM

Precise dosing with perfect tightness without gasket, corrosion resistant, high chemical resistance, fully assembled, can be autoclaved at 121 °C

Packaging of Dosys TM 172 includes: syringe, PVC protection sleeve

Packaging of Dosys TM 173 includes: syringe, 1 m silicone hose, suction cup, PVC protection sleeve, aspiration and vent cannulas, valve replacement set

Packaging of Dosys TM 174 includes: syringe, 1 m silicone hose, suction cup, PVC protection sleeve, ventilation and dosing cannulas, valve replacement set

Order No.	Type	Qty per unit
9.411527	Dosys TM basic 172, volume: 1 to 10 ml, without a revolver handle	1
6.205165	Dosys TM classic 173, volume: 0.1 to 1 ml, with a revolver handle	1
9.411521	Dosys TM premium 174, volume: 0.3 to 2 ml, with a removable revolver handle	1

Dilution Pipets

Brown graduated.

Order No.	Type	Qty per unit
06.0100	Ring marks at 1 and 1.1 ml, with tapered mid section	1
06.0101	Ring marks at 1, 2, 2.1 and 2.2 ml, with tapered mid section	1
06.0102	Graduated from 0 to 1.1 ml, straight shape	1

Bacteriological Pipette

Order No.	Type	Qty per unit
06.0105	1 ml, sterilizable, straight shape	1

Durham Tubes

For coliform tests, round bottom, without rim.

Order No.	Type	Qty per unit
6.075938	Ø 7 x 27 mm, made of DURAN glass	100
9.190200	Ø 8 x 40 mm, made of DURAN glass	100
6.262604	Ø 12 x 55 mm, made of PP	100



Drigalski Spatula

Order No.	Type	Qty per unit
06.0130	Length 18 mm, made of DURAN glass	1

Swabs

Order No.	Type	Qty per unit
9.404001	Disposable cotton swab on wooden stick, length 150 mm, sterile and individually packed	300

Seal Foil Parafilm® M

Can be stretched up to 200 % and clings around irregular shapes and surfaces. Parafilm M is resistant to many polar substances such as saline solutions, inorganic acids and alkaline solutions for up to 48 hours. After this time it may become brittle. Parafilm M conforms to general FDA requirements if used below 55 °C.

Parafilm M data:

Toxicity:	Non-toxic
Melting temperature:	60 °C
Burning point:	301 °C
Continued use temperature:	-45 to +50 °C
Stretching ability:	200 %
Elongation at tear:	300 %
Gas permeability over 24 hours at 23°C and 50 % relative air humidity:	
O ₂ (Oxygen):	≤ 350 cm ³ /m ²
N ₂ (Nitrogen):	≤ 105 cm ³ /m ²
CO ₂ (Carbon dioxide):	≤ 1100 cm ³ /m ²
Water vapor permeability in 24 h at 37 °C and 90 % relative air humidity:	0.8 g/m ²

Order No.	Type	Qty per unit
9.170003	Parafilm M, WxD: 75 m x 50 mm	1
9.170002	Parafilm M, WxD: 38 m x 100 mm	1
9.170005	Parafilm M, WxD: 75 m x 100 mm	1



Test Strips QUANTOFIX

For semi-quantitative determinations, packs with strips (6 x 95 mm).

Order No.	Type	Qty per unit
9.130427	Peroxide 25, measuring range: 0 to 25 mg/l H ₂ O ₂	100
9.130411	Peroxide 100, measuring range: 0 to 100 mg/l H ₂ O ₂	100
9.130426	Peroxide 1000, measuring range: 0 to 1000 mg/l H ₂ O ₂	100



Test Strips MERCKOQUANT

For fast detection of residual peroxide in UHT milk. reaction time 15 sec.

Order No.	Type	Qty per unit
9.129934	Peroxide, measuring range: 0.5 to 25 mg/l H ₂ O ₂	100



Culture media bottles can be obtained from our online shop

Microbiology

ERLENMEYERCAP and LABOCAP

Material:
Aluminum: colored anodized

Specifications:
Caps seal sterile but not hermetically. Steel springs clamp onto the outer wall of the container.

Benefits:
Stainless, washable, reusable, heat-resistant, sterilizable, various. Colors for better recognition (green, yellow, violet and black are special colors additional charge), very good adhesion, air circulation is ensured.

Cleaning advice:
The colored anodized coating on the aluminum caps is not resistant to alkaline detergent.
For cleaning, use a mild neutral detergent.



ERLENMEYERCAP without Handle

Caps for culture bottles (without beaded rim) and culture medium bottles with a straight neck (Ø 38 mm).

Order No.	For glasses with Ø mm	Color	Qty per unit
9.231457	37 / 39	Blue	10
9.231458	37 / 39	Red	10
9.231456	37 / 39	Silver	10
23.21231	37 / 39	Green	10
23.21232	37 / 39	Yellow	10
23.21233	37 / 39	Violet	10
23.21234	37 / 39	Black	10



LABOCAP with Handle

Order No.	For glasses with Ø mm	Color	Qty per unit
9.231403	15 / 16	Blue	100
9.231413	15 / 16	Red	100
9.231345	15 / 16	Silver	100
9.231327	15 / 16	Green	100
9.231326	15 / 16	Yellow	100
9.231329	15 / 16	Violet	100
9.231328	15 / 16	Black	100
23.21043	17 / 18	Blue	100
23.21042	17 / 18	Red	100
9.231347	17 / 18	Silver	100
9.231331	17 / 18	Green	100
9.231330	17 / 18	Yellow	100
9.231333	17 / 18	Violet	100
9.231332	17 / 18	Black	100

LABOCAP without Handle

Order No.	For glasses with Ø mm	Color	Qty per unit
9.231421	9 / 10	Blue	100
9.231441	9 / 10	Red	100
9.231369	9 / 10	Silver	100
23.21210	9 / 10	Green	100
23.21212	9 / 10	Yellow	100
23.21213	9 / 10	Violet	100
23.21214	9 / 10	Black	100
9.231422	12 / 13	Blue	100
9.231442	12 / 13	Red	100
9.231372	12 / 13	Silver	100
9.231463	12 / 13	Green	100
9.231460	12 / 13	Yellow	100
9.231335	12 / 13	Violet	100
9.231334	12 / 13	Black	100
9.231423	14 / 15	Blue	100
9.231443	14 / 15	Red	100
9.231374	14 / 15	Silver	100
23.21215	14 / 15	Green	100
23.21216	14 / 15	Yellow	100
23.21217	14 / 15	Violet	100
23.21218	14 / 15	Black	100
9.231424	15 / 16	Blue	100
9.231444	15 / 16	Red	100
9.231375	15 / 16	Silver	100
9.231464	15 / 16	Green	100
9.231461	15 / 16	Yellow	100
9.231336	15 / 16	Violet	100
9.231466	15 / 16	Black	100
9.231425	17 / 18	Blue	100
9.231445	17 / 18	Red	100
9.231377	17 / 18	Silver	100
9.231465	17 / 18	Green	100
9.231462	17 / 18	Yellow	100
9.231338	17 / 18	Violet	100
9.231337	17 / 18	Black	100



Microbiology



LABOCAP without Handle

Order No.	For glasses with Ø mm	Color	Qty per unit
9.231426	19 / 20	Blue	100
9.231446	19 / 20	Red	100
9.231379	19 / 20	Silver	100
9.231340	19 / 20	Green	100
9.231339	19 / 20	Yellow	100
9.231342	19 / 20	Violet	100
9.231341	19 / 20	Black	100
9.231427	21 / 23	Blue	100
9.231447	21 / 23	Red	100
9.231381	21 / 23	Silver	100
23.21219	21 / 23	Green	100
23.21220	21 / 23	Yellow	100
23.21221	21 / 23	Violet	100
23.21222	21 / 23	Black	100
9.231428	24 / 26	Blue	100
9.231448	24 / 26	Red	100
9.231385	24 / 26	Silver	100
23.21223	24 / 26	Green	100
23.21224	24 / 26	Yellow	100
23.21225	24 / 26	Violet	100
23.21226	24 / 26	Black	100
9.231429	28 / 30	Blue	100
9.231449	28 / 30	Red	100
9.231388	28 / 30	Silver	100
23.21227	28 / 30	Green	100
23.21228	28 / 30	Yellow	100
23.21229	28 / 30	Violet	100
23.21230	28 / 30	Black	100

Colony Counter ColonyCount V

To count bacterial colonies with reliability and efficiency.

Novelties of our ColonyCount V:

- Ergonomic and optimized design
- Unique Light Dispose Grating (LDG)
- Adjustable background and side lighting
- Multifunctional graphic display
- Acoustic and optical count signal
- Data storage and data management
- Wide variety of optional accessories

Specifications:

- Intelligent, reliable, accurate and fatigue-free counting out of Petri dishes
- Uniform illumination of the counting area
- Glare-free working
- User-friendly menu-driven operation
- Seamless documentation (GLP)
- Display : Graphic display with keypad
- Standard magnifier: Dual magnification
- Illumination: LED side and from bellow (LDG)
- Petri dishes: Ø to 120 mm
- Voltage: 100 - 240 VAC/50 - 60 Hz

Included in the delivery:

- 06.140009 Wolffhuegel disk, grid 1 cm² and 1/9 cm²
- 06.140019 Adapter for petri dishes Ø 120/90 mm
- 06.1303 High quality magnifier with a flexible mount
- 06.1305 External power supply
- 06.1311 Quick start guide
- 06.1315 User manual on CD
- 25.6030 Permanent marker black



Order No.	Type	Qty per unit
06.1300	ColonyCount V	1

Microbiology



06.140024



06.1303

Accessories and Consumables for ColonyCount V

Order No.	Type	Qty per unit
06.130003	Thermo printer for ColonyCount V	1
50.250113	Thermo printer paper	1
06.130004	Cable for printer RS232	1
06.1313	Memory card 2 GB	1
06.1399	Software and cable	1
06.1410	Sensor pen for external counting	1
06.1411	Spare pen for external counting (06.1410)	1
06.140024	Adapter set for petri dishes Ø 120-50/60/80/90 mm	1
06.1307	Adapter for petri dishes Ø 120/50 mm	1
06.1308	Adapter for petri dishes Ø 120/60 mm	1
06.1309	Adapter for petri dishes Ø 120/80 mm	1
06.140019	Adapter for petri dishes Ø 120/90 mm	1
06.140009	Wolffhuegel disk, grid 1cm ² and 1/9 cm ²	1
25.6030	Permanent marker black	1
06.1303	High quality magnifier with a flexible mount	1

3M™ Petrifilm™

Ready for use, simple and fast microbiological test without much of the laboratory work. Petrifilm consists of two sheets that contain all the substances needed for bacteria growth. Petrifilm is usually used with 1 ml samples (direct or after dilution), inoculated and then incubated. After this, the colonies can be counted straightaway. Also applicable for air samples and surface checks.

Order No.	Type	Qty per unit
06.1920	Aerobe total viable count (TVC) For the detection of lactic acid bacteria in food samples. incubation time: 48 h contents: 2 bags with 50 pieces	100
06.1921	High sensitive coliform counting plate Count red colonies as confirmed coliforms to detect low coliform concentrations in the dairy industry. incubation time: 24 h contents: 2 bags with 25 pieces	50
06.1922	E.coli /coliform counting plate Count red and blue colonies as confirmed coliforms. Count blue colonies as confirmed E. Coli. incubation time: 24 to 48 h. contents: 2 bags with 25 pieces.	50
06.1923	Yeast and mold counting plate Differentiation of yeasts and molds and determination of their bacterial counts. incubation time: 3 to 5 days contents: 2 bags with 50 pieces	100
06.1924	Enterobacteriaceae counting plate Determination of the Enterobacteriaceae count and the number of potential pathogens to detect impurities in the manufacturing environment and in food sample. incubation time: 22 h contents: 2 bags with 25 pieces	50
06.1926	Plates reader Allows in four seconds, the continuous and automatic reading and storing of the results of 3M™ Petrifilm™ Plates (aerobic plate count, coliform number, E. coli / coliform number, enterobacteria number). incl. software for data transmission	1

Incubators

Specifications:

- Natural convection
- Temperature range: + 5 °C above ambient to +70 °C
- Digital controller
- 2 shelves of stainless steel
- Calibration certificate (37 °C)
- 230 VAC



Order No.	Type	Qty per unit
30GI.603010	Incubator TSI 16, volume 16 l, power 85 W int. dimensions (WxDxH): 270 x 255 x 230 mm ext. dimensions (WxDxH): 505 x 400 x 370 mm	1
30GI.603020	Incubator TSI 35, volume 35 l, power 125 W int. dimensions (WxDxH): 360 x 320 x 300 mm ext. dimensions (WxDxH): 595 x 460 x 440 mm	1

Matching petri dishes can be obtained from our online shop

Heat treatment tests



Phosphatase Test Lactognost

For the detection of alkaline phosphatase in milk, whey, cream and butter.
The test allows the testing of sufficient short time heating up of milk and related products, and the detection of raw milk in pasteurized milk.

Order No.	Type	Qty per unit
06.2010	Kit with reagents for 100 tests, dosing spoon, color comparative table and instructions for use	1

Phosphatase Test acc. to Aschaffenburg and Mullen

Fast and simple method with a convenient comparator for the reliable evaluation of color change (reagents on request).

Order No.	Type	Qty per unit
9.947150	Comparator 2000	1
6.072147	Milk viewing stand DB 415	1
7.072177	Color disc APTW	1
06.2033	Test tube AF 215 TT	1

Udder control

Strip Cup

Order No.	Type	Qty per unit
06.2050	For visual inspection of milk consistency and separation of the germ-rich first spray of milk from the rest of milking. Practical fittings, made of durable plastic with black inlay, suitable as a measuring vessel.	1



Schalm Test Paddle

Order No.	Type	Qty per unit
06.2051	To carry out California mastitis tests according to Schalm. A milk sample (approx. 2 ml) is added from every udder quarter to each well.	1



Schalm Test Solution

Order No.	Type	Qty per unit
06.2052	A test liquid to determine the cell content of raw milk with ease and safety. As of 100.000 cells/ml, there is a visible reaction with the test solution and the milk sample.	1

Centrifuge Tubes for Leucocytes Test

Order No.	Type	Qty per unit
06.2060	According to Trommsdorff, 10 ml with graduated capillary tip	1
06.2061	According to Skar, 10 ml with conical graduated tip	1



06.2060

Whiteside Test

Leach test to rapidly detect somatic cells in milk samples.
Fresh milk is mixed with NaOH in a 3:1 ratio for about 30 seconds.
Threads or lumps form clots are assessed as positive.

Included in the delivery:

- 06.20700 Black glass plate for 24 samples
- 06.20701 Applicator stick
- 06.20702 Pipette
- 06.20703 Spatula
- 06.20713 Comparison chart

Order No.	Type	Qty per unit
06.2070	Whiteside test complete	1



Reduction test

Reduction Test

The reduction test is used to test the bacteriological quality and shelf life of milk.

Equipment for reduction tests:

Waterbaths: see on p. 19

Ovens: see on p. 30

Test Tubes for Reduction Test

Strong walled DURAN glass, with a frostet label.

Order No.	Type	Qty per unit
06.3000	Ø 16 x 130 mm, ring mark: 10 ml	100
06.3001	Ø 13 x 140 mm, ring mark: 10 ml	100
06.3002	Ø 17 x 180 mm, ring marks: 10 + 20 ml	100
06.3003	Ø 17 x 180 mm, ring mark: 20 ml	100
06.3005	Ø 22 x 195 mm, ring marks: 25 + 40 ml	100



Fig. similar

Racks for Reduction Test Tubes

Made of stainless steel.

Order No.	Type	Qty per unit
06.3011	Ø 18 mm, dimensions: 240 x 55 mm, for 20 test tubes	1
06.3013	Ø 13 mm, dimensions: 230 x 55 mm, for 34 test tubes	1

Accessories and Consumables for Reduction Test

Order No.	Type	Qty per unit
06.3015	Dispenser gun DO 55 for repetitive dispensing of 1.5 ml or 1 ml coloring solution (spare glasses no longer available)	1
06.3016	Methylene blue pipet, with bulb, 1 ml: 0.25, graduated	1
06.3020	Methylene blue tablets, rapidly and entirely dissolvable, constant staining quality, box with 50 tablets for 800 ml solution each	50
06.3033	Resazurin tablets, UK standard, box with 100 tablets	100
06.3022	Resazurin color comparison table	1

More racks for test tubes available on request

Sediment test

Sediment Test Pump

Order No.	Type	Qty per unit
06.8000	Acrylic glass tube 500 ml and nickel plated fittings, suction tube and ventilation tube hinged to accept filter discs, filtering surface Ø 18 mm, for filter cards and cotton wool filters	1



Sediment Tester Gerber

Order No.	Type	Qty per unit
06.8010	Sediment tester Gerber foldable aluminum bottle 500 ml, with drain hose and clamp to attach it to the edge of the table, filtering surface Ø 18 mm, for filter plates and cotton filters	1
06.8030	Matching pressure air blower to speed up the filtration process	1



Sediment Tester Rapido

With an electric vacuum pump for the rapid sucking through of milk samples, hinged aluminum bottle 500 ml, filtering surface Ø 18 mm, for filter plates and cotton filters. Particularly suitable for serial dirt sample determinations.

Order No.	Type	Qty per unit
06.8040	Sediment tester Rapido, 230 VAC/50 Hz	1
06.8040-115	Sediment tester Rapido, 115 VAC/60 Hz	1



Filter Funnel for Sediment Test

Order No.	Type	Qty per unit
06.8015	Filter funnel for sediment testing made of stainless steel, mesh bottom for round filter Ø 32mm	1



Filter for Sediment Test

Order No.	Type	Qty per unit
06.8050	Filter cards for sediment tests dimensions: 80 x 45 mm	500
06.8052	Round filters for dirt test in milk Ø 32 mm, mass per unit area 130 g/m², thickness 1.0 mm	1000
06.8052S	Round filters for dirt test in milk Ø 32 mm, mass per unit area 130 g/m², thickness 1.2 mm	1000



06.8050

Comparison Table for Sediment Test

Order No.	Type	Qty per unit
06.8060	A5-format, in color with 5 grades for filtered and not filtered milk (acc. to Swiss standard), text in 4 languages (English, French, German, Spanish)	1

Acidity determination

Acidity Determination according to Salut

Quick method:

Mixing of 2 ml of milk and 2 ml Alizarol (red liquor) in the tester, mixture runs into the sample vial, assessment by discoloration.



Acidimeter Salut

Order No.	Type	Qty per unit
07.0010	Acidimeter Salut made of stainless steel, including 2 test tubes with drain holes	1
07.0011	Spare test tube for Salut	1
07.0030	Color comparison table for acidity test with 5 color grades for acidity degrees between 6.5 and 12°SH, in 4 languages (English, French, German, Spanish)	1

Acidity Determination by Titration according to Soxhlet-Henkel

Definition:

The acidity Soxhlet-Henkel is the amount ml 0.25 N sodium hydroxide consumed in the titration of 100 ml of milk to a standard color (pink). The test method is applicable to uncolored milk and dairy products.

Automatic Acidity Buret Soxhlet-Henkel

Buret for direct reading in °SH based on 25 ml milk sample, automatic self zeroing, Schellbach stripping.

Order No.	Type	Qty per unit
07.0100	Buret: 0 to 25 °SH : 1/10 °SH, polyethylene reservoir 500 ml with base	1
07.0110	Buret: 0 to 40 °SH : 1/5 °SH, polyethylene reservoir 1000 ml with base	1
07.0101	Spare buret 0 to 25 °SH : 1/10 °SH	1
07.0111	Spare buret 0 to 40 °SH : 1/5 °SH	1



Fig. similar

Accessories for Acidity Determination acc. to Soxhlet-Henkel

Order No.	Type	Qty per unit
07.0120	Milk pipet 25 ml, made of DURAN glass with large outlet	1
20.0009	Graduated pipette, made of DURAN glass	
06.3005	Test tubes for 25 ml milk (see on p. 56)	100
23.0721	Test tube rack, for 36 samples, made of stainless steel hole size: 26 x 26 mm	1
23.0722	Test tube rack, for 48 samples, made of stainless steel hole size: 26 x 26 mm	1
23.0723	Test tube rack, for 18 samples, made of stainless steel hole size: 26 x 26 mm	1
23.0724	Test tube rack, for 12 samples, made of stainless steel hole size: 26 x 26 mm	1

Chemicals on request

Acidity Determination by Titration according to Peter

Definition:

1 °SH = x ml sodium hydroxide 0.25 N to 10 ml milk.

Quick method according to the same principle as Soxhlet Henkel, is often used by cheese makers.

Automatic Acidity Buret Schilling

Direct reading in °SH when using 10 ml of milk, automatic self zeroing, Schellbach stripping.

Order No.	Type	Qty per unit
20.0804	0 to 5 ml: 0.05 (0 to 50 °SH), polyethylene reservoir 500 ml with base	1
20.0805	0 to 10 ml: 0.05 (0 to 100 °SH), polyethylene reservoir 500 ml with base	1

Accessories for Acidity Determination acc. to Peter

Order No.	Type	Qty per unit
07.0130	Milk pipette Peter 10 ml	1
07.0131	Graduated pipette 1 ml (0 to 10 °SH)	1
07.0132	Graduated pipette 3 ml (0 to 30 °SH)	1
07.0133	Graduated pipette 4 ml (0 to 40 °SH)	1
06.3000	Test tubes Ø 16 x 130 mm (see on p. 56)	100
06.3001	Test tubes Ø 13 x 140 mm (see on p. 56)	100
23.0710	Test tube rack, for 12 samples, made of stainless steel hole size: 21 x 21 mm	1
23.0711	Test tube rack, for 18 samples, made of stainless steel hole size: 21 x 21 mm	1
23.0713	Test tube rack, for 36 samples, made of stainless steel hole size: 21 x 21 mm	1
23.0714	Test tube rack, for 48 samples, made of stainless steel hole size: 21 x 21mm	1



Fig. similar

Chemicals on request

Acidity determination

Acidity Determination by Titration according to Dornic

Definition:

Acidity according to Dornic is the amount ml 0.1 N sodium hydroxide consumed in the titration of 100 ml of milk to a standard color (pink) ($1^{\circ}\text{D} = 0.444^{\circ}\text{S}$). The test method is applicable to milk and other uncolored dairy products.

Automatic Acidity Buret Dornic

With direct division in $^{\circ}\text{D}$ bases on 10 ml milk, automatic self zeroing, Schellbach stripping.

Order No.	Type	Qty per unit
07.0150	0 to 40 $^{\circ}\text{D}$, polyethylene reservoir 500 ml with base	1
07.0151	0 to 100 $^{\circ}\text{D}$, polyethylene reservoir 500 ml with base	1
07.01500	Spare buret 0 to 40 $^{\circ}\text{D}$	1
07.01510	Spare buret 0 to 100 $^{\circ}\text{D}$	1



07.0151

Chemicals on request

pH Cheese Set

For the easy pH measuring in cheese and other solid or semi-solid dairy products.

Included in the delivery:

- 50.2AA112-KE pH/mV pocket meter with large LCD display
- 50.1510 Gerber pH probe
- 50.1200 1 m cable with DIN connector for pH and redox electrodes
- 50.1550 Gerber temperature probe type TFK (1 m cable)
- Carrying case with buffer solutions STP 4 and STP 7 (50 ml)
- Accessories: stand, beaker, CD-ROM and batteries



Order No.	Type	Qty per unit
50.pH3110-KE	pH cheese set 3110/GI	1

Consumables for pH Cheese Set

Order No.	Type	Qty per unit
50.1510	Gerber pH probe	1
50.1200	1 m cable with DIN connector for pH and redox electrodes	1
50.1550	Gerber temperature probe type TFK (1 m cable)	1
50.108800	Technical buffer solution TPL 4, 250 ml	1
50.108802	Technical buffer solution TPL 7, 250 ml	1
50.108804	Technical buffer solution TPL 10, 250 ml	1



50.1510

pH measurement



pH 7 - Handheld Meters Set/Basic

Ergonomic and rugged portable measuring instrument with additional protective casing, protection: IP 57, large display, BNC connection for pH probe, RCA socket for temperature probe, 3 x 1.5 V batteries (AA).

Functions:

- Simultaneous display of pH/mV and temperature
- Selectable resolution 0.1/0.01 pH
- Automatic calibration 1-, 2- or 3-point with standard buffers
- Manual calibration 1- or 2-point with custom buffers

Included in the delivery:

- pH meter
- Probe
- Buffer solutions
- KCl solution
- Carrying case

Order No.	Type	Qty per unit
30GI.101020	pH 7 set milk/basic, incl. pH probe with temperature sensor inside	1
30GI.101030	pH 7 set cheese/basic, incl. pH penetration probe with temperature sensor inside	1
30GI.101040	pH 7 set meat/basic, incl. pH penetration probe with temperature sensor inside (probe: shaft and blade tip made of stainless steel)	1



pH 70 - Handheld Meters Set/Advanced

Ergonomic and rugged portable measuring instrument with additional protective casing, protection: IP 57, large backlit display, BNC connection for pH probe, RCA socket for temperature probe, 3 x 1.5 V batteries (AA).

Functions:

- Simultaneous display of pH/mV and temperature
- Selectable resolution 0.1/0.01 pH
- Automatic calibration 1-, 2- or 3-point calibration with standard buffers
- Manual calibration 1- or 2-point with custom buffers
- Definition of calibration cycles
- GLP
- Data logger with up to 500 data sets
- USB port for data transfer to PC
- Software for data transfer

Included in the delivery:

- pH meter
- Probe
- Buffer solutions
- KCl solution
- Software, power supply, USB cable
- Carrying case

Order No.	Type	Qty per unit
30GI.102020	pH 70 set milk/advanced, incl. pH probe with temperature sensor inside	1
30GI.102030	pH 70 set cheese/advanced, incl. pH penetration probe with temperature sensor inside	1
30GI.102040	pH 70 set meat/advanced, incl. pH penetration probe with temperature sensor inside (probe: shaft and blade tip made of stainless steel)	1

Consumables for pH 7 and pH 70

Order No.	Type	Qty per unit
30GI.107020	pH probe with included temperature sensor, BNC/RCA, 1 m cable, suitable for milk, drinks and other liquids	1
30GI.107030	pH penetration probe with included temperature sensor, BNC/RCA, 1 m cable, suitable for cheese and semi-solid products	1
30GI.107040	pH penetration probe with included temperature sensor, BNC/RCA, 1 m cable, suitable for meat, sausages etc. probe: shaft and blade tip made of stainless steel	1
30GI.108010	Technical buffer solution pH 4, 250 ml	1
30GI.108020	Technical buffer solution pH 7, 250 ml	1
30GI.108030	Technical buffer solution pH 10, 250 ml	1
30GI.108015	Technical buffer solution pH 4, 500 ml	1
30GI.108025	Technical buffer solution pH 7, 500 ml	1
30GI.108035	Technical buffer solution pH 10, 500 ml	1

pH Tester - pH 5 Set

pH stick with LCD display, protection: IP 67, 4 x 1.5 V batteries (AAA).

Functions:

- Display of pH/mV and temperature
- Measuring range: -2 to 16 pH/±500 mV
- Temperature: 0 to 50 °C
- 1- to 3-point calibration

Included in the delivery

- pH stick
- Probe (exchangeable)
- pH buffer- and storage solution
- Carrying case



Order No.	Type	Qty per unit
30GI.103050	pH tester pH 5 set	1
30GI.103060	pH 51 spare probe for pH 5 set	1

pH Tester - pH 5 Set for Food

pH stick with pH penetration probe.

Functions and included accessories are the same as for pH tester pH 5 set.

Order No.	Type	Qty per unit
30GI.103051	pH tester pH 5 set for food	1
30GI.103061	SpH 51 spare probe for pH 5 set for food	1



Conductivity measurement



Cond 7 - Handheld Meters Set/Basic

Ergonomic and rugged handheld instrument with additional protective casing, protection: IP 57, large display, BNC connection for conductivity probe, RCA socket for temperature probe, 3 x 1.5 V batteries (AA).

Functions:

- Display conductivity and temperature simultaneously
- Automatic calibration 1- to 4-point with conductivity standards
- Manual calibration 1-point with a custom standard
- Automatic and manual compensation of temperature with reference value 15 to 30°C

Included in the delivery:

- Conductivity meter
- With/without probe
- Conductivity solutions
- Carrying case

Order No.	Type	Qty per unit
30GI.201010	Cond 7 set/basic, without probe	1
30GI.201020	Cond 7 set/basic, incl. cond probe 2301T (10 µS - 200 mS)	1



Cond 70 - Handheld Meters Set/Advanced

Ergonomic and rugged handheld instrument with additional protective casing, protection: IP 57, large backlit display, BNC connection for conductivity probe, RCA socket for temperature probe, 3 x 1.5 V batteries (AA).

Functions:

- Display conductivity and temperature simultaneously
- Automatic calibration 1- to 4-point with conductivity standards
- Manual calibration 1-point with a custom standard
- Automatic and manual compensation of temperature with reference value 15 to 30°C
- TDS measurement with adjustable factor
- GLP
- Data logger, manual and automatic with 500 memory values with date and time
- USB port for data transfer to PC
- Software for data transfer

Included in the delivery:

- Conductivity meter
- With/without probe
- Conductivity solutions
- Software, power supply, USB cable
- Carrying case

Order No.	Type	Qty per unit
30GI.202010	Cond 70 set/Advanced without probe	1
30GI.202020	Cond 70 set/Advanced incl. cond probe 2301T (10 µS - 200 mS)	1

Conductivity measurement

Consumables for Cond 7 and Cond 70

Order No.	Type	Qty per unit
30GI.207020	Conductivity cell 2301T, measuring range 10 μ S - 200 mS, with integrated thermometer, 1 m cable	1
30GI.207030	Conductivity cell VPT51/01, measuring range 0.1 μ S - 1 mS with integrated thermometer, 1 m cable	1
30GI.208010	Conductivity solution, 500 ml, 84 μ S/cm	1
30GI.208020	Conductivity solution, 500 ml, 1413 μ S/cm	1
30GI.208030	Conductivity solution, 500 ml, 12880 μ S/cm	1

Conductivity Tester - Cond 5 Set

Stick with LCD display, protection: IP 67, 4 x 1.5 V batteries (AAA).

Functions:

- Display conductivity, TDS and temperature simultaneously
- Measuring range: 0 to 200 μ S/ 0 to 2000 μ S/ 0 to 20 mS/ 0.1 ppm to 14 ppt
- Temperature: 0 to 50 °C
- 1- to 3-point calibration

Included in the delivery:

- Cond stick
- Conductivity probe (replaceable)
- Conductivity and storage solutions
- Carrying case



Order No.	Type	Qty per unit
30GI.203050	Conductivity tester cond 5 set	1
30GI.203060	Cond 51 spare probe for cond 5 set	1

Combi analyzer for pH and conductivity measurement



PC 7 - pH/Cond Handheld Meters Set/Basic

Ergonomic and rugged handheld instrument with additional protective casing, protection: IP 57, large display, BNC connection for pH and conductivity measurement probe, RCA socket for temperature probe, 3 x 1.5 V batteries (AA).

Functions pH:

- Display pH/mV and temperature simultaneously
- Selectable resolution: 0.1/0.01 pH
- Automatic calibration up to 3 points with 2 selectable pH buffer sets (USA and NIST)
- Manual calibration up to 2 points with a custom pH buffer

Functions conductivity:

- Display conductivity and temperature simultaneously
- Automatic calibration from 1- to 4-points with 4 conductivity standards
- Manual calibration at 1-point with a custom standard
- Automatic and manual compensation of temperature with reference value 15 to 30°C

Included in the delivery:

- Combination instrument
- Probes
- Buffer and conductivity solutions
- KCl solution
- Carrying case

Order No.	Type	Qty per unit
30GI.401020	PC7 set/basic incl. pH probe with integrated NTC temperature sensor and cond probe 2301T	1



PC 70 - pH/Cond Handheld Meters Set/Advanced

Ergonomic and rugged handheld instrument with additional protective casing, protection: IP 57, large backlit display, BNC connection for pH and conductivity measurement probe, RCA socket for temperature probe, 3 x 1.5 V batteries (AA).

Functions pH:

- Display pH/mV and temperature simultaneously
- Selectable resolution: 0.1/0.01 pH
- Automatic calibration up to 3-points with 2 selectable pH buffer sets (USA and NIST)
- Manual calibration up to 2-points with a custom pH buffer

Functions conductivity:

- Display conductivity and temperature simultaneously
- Automatic calibration from 1- to 4- points with 4 conductivity standards
- Manual calibration at 1-point with a custom standard
- Automatic and manual compensation of temperature with reference value 15 to 30°C

Functions in general:

- TDS measurements
- CAL DUE: set of calibration frequency for high quality of measurements
- GLP
- Datalogger (automatic or manual) 500 data sets with date and time
- USB Port to transfer Data and power by computer or power supply (included)
- Software PC-Link to download data (included)

Included in the delivery:

- Combination instrument
- Probes
- Buffer and conductivity solutions
- KCl solution
- Software, power supply, USB cable
- Carrying case

Order No.	Type	Qty per unit
30GI.402020	PC70 set/advanced incl. pH probe with integrated NTC temperature sensor and cond probe 2301T	1

Combi analyzer for pH and conductivity measurement

Consumables for PC 7 and PC 70

Order No.	Type	Qty per unit
30GI.207020	Conductivity cell 2301T, measuring range 10 μ S - 200 mS, with integrated thermometer, 1 m cable	1
30GI.207030	Conductivity cell VPT51/01, measuring range 0.1 μ S - 1 mS with integrated thermometer, 1 m cable	1
30GI.208010	Conductivity solution, 500 ml, 84 μ S/cm	1
30GI.208020	Conductivity solution, 500 ml, 1413 μ S/cm	1
30GI.208030	Conductivity solution, 500 ml, 12880 μ S/cm	1
30GI.107020	pH probe with included temperature sensor, BNC/RCA, 1 m cable	1
30GI.107030	pH penetration probe with included temperature sensor, BNC/RCA, 1 m cable	1
30GI.108010	Technical buffer solution pH 4, 250 ml	1
30GI.108020	Technical buffer solution pH 7, 250 ml	1
30GI.108030	Technical buffer solution pH 10, 250 ml	1
30GI.108015	Technical buffer solution pH 4, 500 ml	1
30GI.108025	Technical buffer solution pH 7, 500 ml	1
30GI.108035	Technical buffer solution pH 10, 500 ml	1

Multiparameter Tester - PC 5 Set

Stick with LCD display, protection: IP 67, 4 x 1.5 V batteries (AAA).

Functions:

- Display pH/mV, conductivity, TDS and temperature
- Measuring range pH: -2 to 16 pH/ $\pm$ 500 mV
- Measuring range cond: 0 to 200 μ S/ 0 to 2000 μ S/ 0 to 20 mS/ 0.1 ppm to 14 ppt
- Temperature: 0 to 50 °C
- 1- to 3-point calibration

Included in the delivery:

- Multiparameter stick
- pH and cond probe (exchangeable)
- pH buffer-, conductivity- and storage solutions
- Carrying case



Order No.	Type	Qty per unit
30GI.403050	pH and cond tester PC 5 Set	1
30GI.403060	PC 51 spare probe for PC 5 set	1

Detection of fat deterioration

Detection of Fat Deterioration (Method MTI)

The mechanical stress on of milk and cream by cooling, pumps and transporting damaged the fat globules. Thus, the quality is deteriorated. With the method developed by the scientific milk institute of ETH Zurich, sources of damage can quickly, easily and reliably be elicited by stage inspections.

The method is based on 3 analyzes:

- Fat content according to Gerber
- Free fat
- Free fatty acids

The sum of the converted into free fatty acids and the directly measured free fat is the total amount of free fat and is expressed as % free fat of the total fat.



08.2000

Specifically Required Equipment for Method MTI

Order No.	Type	Qty per unit
03.3112-12	Centrifuge Gerber Universal (see on p. 22), 230 VAC, with heating and universal rotor for 12 positions, special insert on request (order separately)	1
03.3113-12	Centrifuge Gerber Universal (see on p. 22), 115 VAC, with heating and universal rotor for 12 positions, special insert on request (order separately)	1
08.2010	Special insert for free fat butyrometers (on request)	1
08.2000	Free fat butyrometer incl. stopper (03.0920) for evaluation of free fat in milk and cream, scale reading 0.002	1

Flow Out Viscometer

For quick testing of the viscosity of sour milk products, such as yogurt, sour milk, sour cream and cream .
Simply fill the funnel with 100 ml, let the sample drain through the outlet valve and measure the time.

Included in the delivery:

- 08.3001 Flow out viscometer with nozzle Ø 2 and 3 mm
- 08.30003 Stand garnish
- Pharmacist patel 130 mm
- Pharmacist patel 200 mm
- Ring for flow out viscometer

Order No.	Type	Qty per unit
08.3000	Flow out viscometer complete	1



Accessories for Flow Out Viscometer

Order No.	Type	Qty per unit
08.3002	Nozzle for viscometer Ø 2 mm	1
08.3003	Nozzle for viscometer Ø 3 mm	1
08.3004	Nozzle for viscometer Ø 4 mm	1
08.3005	Nozzle for viscometer Ø 5 mm	1
08.3006	Nozzle for viscometer Ø 6 mm	1
08.3008	Nozzle for viscometer Ø 8 mm	1
9.262410	Stopwatch Addition stopper Amigo, impact-resistant, unbreakable main spring, ABS case, Ø 55 mm, with lanyard (120 cm), division sec: 1/10, display min: 15	1
9.260189	Stopwatch Digi clock timer TR 119 OS, large 6-digit LCD display, programmable for up to 23 h, 59 min, 59 sec 1-minute audible alarm when timed period has expired, countdown, countup, time display, clip and stand, instructions in 3 languages, supplied with 1 battery AAA 1.5 VAC	1

Glass Viscometer

Order No.	Type	Qty per unit
08.3009	100 ml with integrated nozzle Ø 2.8 mm, made of DURAN glass	1

Consistency and viscosity



Consistometer Bostwick

To measure the consistency, viscosity and flow-out time of liquids by measuring the distance covered by the sample during a certain time.

Specifications:

- Application: Food industry
- Volume of sample: 75 ml
- Dimensions: 35 x 9 x 13 cm
- Material: Stainless steel
- Graduation: 0.5 cm

Order No.	Type	Qty per unit
08.3012	Consistometer Bostwick	1



Flow Viscometer

To rapidly compare measurements taken from inhomogeneous samples.

The principle is based on the measurement of capacitive change due to the conductivity of the sample. The measurement is made on a special cast into the measuring chamber contact point.

Specifications:

- Application: Food industry
- Dimensions: 11.5 x 5.7 x 32.5 cm
- Programmable measuring times: 7.5, 15 or 30 sec

Order No.	Type	Qty per unit
08.3013	Viscometer Polyvisc	1

Effect of homogenization

Effect of Homogenization		
Order No.	Type	Qty per unit
08.4000	Homogenization tube, ring marks at 5 and 30 ml, with a stopper (08.40001), suitable for Gerber centrifuges	1
08.40001	Spare rubber stopper	1



08.4000

Special examinations of milk- and other powders

Determination of the Solubility Index



Centrifuge Tube Gerber for Solubility Test

Matching centrifuge: see on p. 22

Matching universal rotor: 03.3300 (see on p. 23)

Matching insert Gerber: 03.1630 (see on p. 23)

Order No.	Type	Qty per unit
09.0010	0 to 50 ml graduated, Ø 24 x 190 mm, made of DURAN glass	1

Centrifuge Tube ADPI for Solubility Test (former ADMI)

Matching centrifuge: see p. 22

Matching universal rotor: 03.3300 (see on p. 23)

Matching insert ADPI: 03.1631 (see on p. 23)

Order No.	Type	Qty per unit
09.0011	0 to 20 to 50 ml graduated, Ø 30 x 135 mm, made of DURAN glass	1

Accessories for Solubility Test

Order No.	Type	Qty per unit
09.0020	Siphon fitting for centrifuge tube Gerber, with suction tube and stopper	1
09.0021	Siphon fitting for centrifuge tube ADPI, with suction tube and stopper	1

Consumables for Solubility Test

Order No.	Type	Qty per unit
60.1055-100	Antifoaming agent, 100 g	1
60.1055	Antifoaming agent, 1 kg	1

Special examinations of milk- and other powders

Solumixer

To determine the solubility of various powders.
Complies with the test specifications of ADPI and DLG.
Stirring blades made of stainless steel.
Complete with a blender glass.



09.0040

Order No.	Type	Qty per unit
09.0040-230CH	Solumixer Universal 230 VAC/50 Hz with Swiss power plug digital display, one fixed program (3600 rpm, 90 sec) for solubility and variable programming for general use (1800-3600 rpm, timer 1 - 9 min)	1
09.0040-230CEE	Solumixer Universal 230 VAC/50 Hz with Schuko power plug digital display, one fixed program (3600 rpm, 90 sec) for solubility and variable programming for general use (1800-3600 rpm, timer 1 - 9 min)	1
09.0040-115	Solumixer Universal 115 VAC/60 Hz with US power plug digital display, one fixed program (3600 rpm, 90 sec) for solubility and variable programming for general use (1800-3600 rpm, timer 1 - 9 min)	1
09.0041-230	Solumixer Standard 230 VAC/50 Hz, without digital display, with a fixed program (3600 rpm, 90 sec) for solubility	1
09.0041-115	Solumixer Standard 115 VAC/60 Hz without digital display, with a fixed program (3600 rpm, 90 sec) for solubility	1

Accessories for Solumixer

Order No.	Type	Qty per unit
09.0051	Spare blender glass	1
09.0052	Spare stirrer blade	1
09.0053	Spare driving belt	1
09.0056	Spare rocker arm	1

Waring Mixer

Robust and efficient laboratory mixer for food samples.
Blender glass: 1.0 liters
Stand with knife block

Specifications:

Speed : 500 - 2000 rpm
Power: 840 W
Voltage : 230 VAC

Order No.	Type	Qty per unit
35.0100	Waring mixer LB 20 EG complete with blender glass	1
35.0122	Spare blender glass	1

Special examinations of milk- and other powders

Purity Degree



Sieve for Test Filter

Included in the delivery:

- 09.00602 Sieve with 1.0 mm mesh
- 09.00601 Reduction piece

Order No.	Type	Qty per unit
09.0060	Sieve for test filters for reconstituted milk, Ø 100/92 mm	1

Viewing Stand for Test Slides

Order No.	Type	Qty per unit
09.0061	Viewing stand for reconstituted milk dimensions (WxDxH): 300 x 50 x 80 mm	1



Filtering Funnel for Milk Powder Samples

Made of stainless steel, funnel volume 500 ml.

Following faucet creates a vacuum, thereby accelerating the filtration.

Included in the delivery:

- 09.0103OZ Filtering funnel
- 09.01030 Sieve Ø 28 mm
- 09.01031 Joint to filtration funnel
- Water jet pump
- PVC hose Ø 10/14 mm

(This filtering funnel is also suitable for soil samples, see on p. 57)

Order No.	Type	Qty per unit
09.0103	Filtering funnel complete	1

Accessories and Consumables for Purity Degree

Order No.	Type	Qty per unit
09.01030	Spare sieve for filtering funnel, Ø 28 mm	1
09.0100	ADPI comparison chart for scorched particles	1
09.0110	Sediment test filter cards for determination of scorched particles in milk powder acc. to ADPI	500
09.0111	Sediment test round filters Ø 32 mm, mass per unit area 110 g/m ²	1000

Special examinations of milk- and other powders

Determination of the Jolted Specific Weight

Jolting Volumeter STAV II

To determine of jolted volume according to ISO, ASTM and DIN standards.

Included in the delivery:

- Jolting volumeter STAV II
- Graduated measuring cylinder 250 ml, made of glass

Order No.	Type	Qty per unit
09.0200	Jolting volumeter STAV II complete, 230 VAC/50 Hz	1
09.0200-115	Jolting volumeter STAV II complete, 115 VAC/60 Hz	1



Accessories for STAV II

Order No.	Type	Qty per unit
09.0201	Spare glass cylinder 250 ml, length 330 mm	1
09.0202	Acrylic glass cover incl. frame for noise damping hood	1
09.0203	Preselection counter	1
09.0210	Noise damping hood KU H550 for measuring cylinder 10 to 250 ml	1

Jolting Volumeter Gerber

To determine of specific weight of a jolted sample.
Automatic apparatus with up to 100 strokes in 30 sec.

Included in the delivery:

- 09.0220 Jolting volumeter
- 09.02201 Cylinder, 500 ml, made of stainless steel
- Country-specific power cord

Order No.	Type	Qty per unit
09.0220	Jolting volumeter Gerber complete, 230 VAC/50 Hz	1
09.0221	Jolting volumeter Gerber complete, 115 VAC/60 Hz	1



Special examinations of milk- and other powders

Determination of Miscibility and Clumping



Mixer for the Determination of Miscibility and Clumping

To mix powders and liquids.

3 fixed programs:

- Program 1: Speed 50 rpm, time 180 sec
- Program 2: Speed 60 rpm, time 30 sec
- Program 3: Speed 60 rpm, time 15 sec

1 variable program:

- Speed 40 to 80 rpm, time 15 to 300 sec

Specifications:

- Digital display
- Indicator when changing from fixed to variable program
- Low-noise revolve
- Power: 100 W
- Voltage: 230 VAC/50 Hz

Order No.	Type	Qty per unit
09.0300	Mixer with drum and holder without sample tube	1

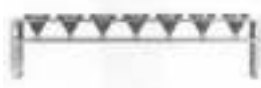


09.0301+09.0303

Accessories for Mixer for the Determination of Miscibility

Order No.	Type	Qty per unit
09.0301	Tripod for sample tube (09.0303), made of PVC	1
09.0302	Funnel, made of stainless steel, Ø 120/36 x 185/110 mm	1
09.0303	Sample tube, Ø 52 x 245 mm, RN 45/40	1
9.230145	Stopper, hexagonal, RN 45/40, PE, without drillings	1

Determination of Flowability of Powders



Flowability Funnel

Order No.	Type	Qty per unit
09.0400	Funnel battery made of stainless steel dimensions (WxDxH): 80 x 20 x 20 cm, with 7 funnels Ø 9 cm apertures Ø : 2.5, 3.0, 3.5, 4.0, 4.5 and 5.0 mm	1

Special examinations of milk- and other powders

Determination of Wettability of Powders

Funnel Battery

For standard measurement of the time, that the powder needs, to absorb deionized water.

Order No.	Type	Qty per unit
09.0450	Funnel battery made of stainless steel dimensions (WxDxH): 50 x 10 x 15.5/20 cm, with 4 funnels Ø 5 cm	1
09.0451	Powder dosing cup with scraper	1



Determining the Angle of Repose of Powders and Granulates

Pourability Tester

Order No.	Type	Qty per unit
09.0460	Standard version according to DIN/ISO 4324 Included in the delivery: - 09.0462 Pourability Tester - 09.04600 Funnel with outlet Ø 10 mm - 09.04601 Acrylic glass pane Ø 100 x 25 mm	1
09.0461	Modified version for milk powders with high fat content Included in the delivery: - 09.0462 Pourability Tester - 09.04610 Funnel with outlet Ø 12 mm - 09.04611 Acrylic glass pane Ø 100 x 15 mm	1



Determination of Color

V-Samples Scraper

Order No.	Type	Qty per unit
09.8135	V-samples scraper, small model Included in the delivery: - 09.81350 V-samples scraper, small - 09.8136 Sample cup black Ø 90 mm - Laboratory dish (WxDxH) 310 x 370 x 75 mm	1
09.8138	V-samples scraper, large model Included in the delivery: - 09.81380 V-samples scraper, large - 09.8139 Sample cup black Ø 142 mm - Laboratory dish (WxDxH) 310 x 370 x 75 mm	1



Physical examinations of whipped cream

Whipped Cream Tester CT II

Measures the whipping time it takes the cream to produce its highest resistance and the corresponding maximum current consumption of the motor.

A cream sample is whipped under exactly defined conditions:

- Standardized cup for 100 ml cream
- Standardized whipping paddles
- Constant speed
- Temperature control 5 °C (by filling the cooling mantle with ice or using external cooling device).

As the stiffness of the cream increases when whipping, the resistance of the motor powering the paddles increases proportionally. Timing runs simultaneously. At the point of highest resistance the instrument stops automatically and blocks the reading of:

- Time of analysis in seconds
- Highest power consumption of the motor in mA
- Sample temperature

According to DLG and the Swiss manual for foods.

Order No.	Type	Qty per unit
09.1000	Whipped cream tester CT II incl. acrylic glass hood, 230 VAC/50 Hz	1

Accessories for CT II

Order No.	Type	Qty per unit
09.100052	Sample cups with cams	1
09.1010	Cooling cup to CT II to connection to external cooling device	1
09.2010	Forming plate to produce a 6 x 6 cm cream cube for testing decantation characteristics	1
09.2011	Decantation sieve acc. to DIN to determine the deposited amount of liquid, dimensions: 10 x 10 cm	1
09.2020	Ruler for CT II to measure the increase in volume of whipped cream in the sample cup of the CT II, Scale 100 to 250 ml (0 to 150 % increase in volume)	1

Plunger FT I

Measures the time it takes a plunger of 30 g and an additional weight of 80 g to penetrate 3 cm into the whipped cream.

Included in the delivery:

- 09.12000 Stamp (stick and holder)
- 09.11002 Immersion stamp FT I
- 09.11004 Weight 80 g
- 09.100052 Sample cups with cams
- Tripod plate
- Tripod rod

Suitable stopwatches see on p. 69

Order No.	Type	Qty per unit
09.1200	Mechanical plunger FT I	1



Cheese and Dairy Thermometer

Normal glass, opal glass scale, wide and good readable optima capillary, division: 1 °C.

Order No.	Type	Qty per unit
10.0000	Measuring range: 0 to +100 °C, blue mercury filling, Ø 23 x 350 mm	1
10.0001	Measuring range: 0 to +100 °C, blue mercury filling, Ø 23 x 350 mm, officially calibrated	1
10.0002	Measuring range: 0 to +100 °C, red alcohol filling, Ø 23 x 350 mm	1
10.0003	Measuring range: 0 to 80 °R, blue mercury filling, Ø 23 x 350 mm	1

Protection Cage for Thermometer

Order No.	Type	Qty per unit
10.0010	Made of stainless steel with loop for cheese and dairy thermometers	1

Polygard Thermometer

Precision dairy thermometer (with manufacturer's certificate) in protection cage.

The Polygard cage holds glass splitters and mercury residues in case of glass breaks. The hygienic, rustfree and shock-proof cage protects the thermometer at 100%, without affecting the good quality of a glass thermometer, such as fast display, precision and reliability.

Order No.	Type	Qty per unit
10.0020G	Measuring range: 0 to +100 °C	1
10.0021G	Measuring range: 0 to 80 °R	1



Dairy Thermometer

Order No.	Type	Qty per unit
10.0060	Floating thermometer, -10 to 110 °C, alloy ballast, dimensions: approx. Ø 10 x 260 mm, paper scale	1
10.0061	Floating thermometer, 20 to 230 °F, alloy ballast, dimensions: approx. Ø 10 x 260 mm, paper scale	1

Universal thermometers

Chemical Thermometer

Enclosed scale type, with loop, Ø approx. 7-8 mm, prismatic measuring capillary, division: 1 °C.

Order No.	Type	Qty per unit
10.1105	Measuring range: -35 to +50 °C, red special filling, length: 200 mm	1
10.1110	Measuring range: -10 to +100 °C, red special filling, length: 260 mm	1
10.1115	Measuring range: -10 to +150 °C, red special filling, length: 260 mm	1
10.1125	Measuring range: -10 to +250 °C, blue special filling, length: 300 mm	1

General Purpose Thermometer

Enclosed scale type, with loop, Ø approx. 7-8 mm, prismatic measuring capillary, luminous blue, mercury filling, division: 1 °C.

Order No.	Type	Qty per unit
9.235303	Measuring range: -35 to +50 °C	1
9.235305	Measuring range: -10 to +50 °C	1
9.235310	Measuring range: -10 to +100 °C	1
9.235315	Measuring range: -10 to +150 °C	1
9.235320	Measuring range: -10 to +200 °C	1
9.235325	Measuring range: -10 to +250 °C	1
9.235336	Measuring range: -10 to +360 °C	1
9.235342	Measuring range: -10 to +420 °C	1

Maximum Thermometer for Swinging

Enclosed scale type, Ø 7-8 mm, prismatic measuring capillary, luminous blue, mercury filled, division: 1 °C.

Order No.	Type	Qty per unit
9.235910	Measuring range: -10 to +100 °C, length: 260 mm	1
9.235915	Measuring range: -10 to +150 °C, length: 260 mm	1
9.235925	Measuring range: -10 to +250 °C, length: 300 mm	1

Laboratory Thermometer

Enclosed scale type, Ø approx. 8-9 mm, Richter seal with button

Mercury filling: Prismatic measuring capillary, luminous blue

Red filling: Uncoated capillary, total immersion

Order No.	Type	Qty per unit
9.235405	Measuring range: -5/0 to +50 °C: 0.5, mercury filling, length: 220 mm	1
9.235410	Measuring range: -5/0 to +100 °C: 0.5, mercury filling, length: 270 mm	1
9.235495	Measuring range: -10/0 to +50 °C: 0.5, red filling, length: 220 mm	1
9.235496	Measuring range: -10/0 to +100 °C: 0.5, red filling, length: 270 mm	1
6.077879	Measuring range: -5/0 to +100 °C: 0.2, mercury filling, length: 420 mm	1



9.235405

Universal thermometers

Pocket Thermometer

Enclosed scale type, with nickel-plated, double plug collar, approx. Ø 11.5 x 140 mm, with clip, prismatic measuring capillary, uncoated, division: 1 °C.

Order No.	Type	Qty per unit
10.1205	Measuring range: -40 to +50 °C, red filling	1
10.1207	Spare thermometer, measuring range: -40 to +50 °C, red filling	1
10.1211	Measuring range: -20 to +120 °C, mercury filling	1
10.1212	Measuring range: -20 to +120 °C, blue filling	1



Fig. similar

Plastic Thermometer

Cardboard scale, blue alcohol filling, division: 1 °C.

Order No.	Type	Qty per unit
10.1220	Measuring range: -20 to +50 °C	1
10.1221	Measuring range: 0 to +70 °C	1



Universal Thermometer

In hygienic plastic case resistant to heat and shocks, red filling, length: 280 mm.

Order No.	Type	Qty per unit
10.1231	Measuring range: -10 to +100 °C	1
10.1233	Spare thermometer, measuring range: -10 to +100 °C	1



Test Certificate for Thermometers

Order No.	Type	Qty per unit
10.2000	Test certificate Gerber Instruments for thermometers	1

Electronic thermometers



Temp 7 - Portable Thermometer for NTC Probes

Ergonomic and rugged handheld instrument with additional protective casing, protection: IP 57, large display, NTC connection for temperature probe, 3 x 1.5 V batteries (AA).

Functions:

- Measuring range: -50 °C to +150 °C
- Division: 0.1 °C
- Accuracy: ± 0.2 °C
- Display of the MIN/MAX values
- Measurement stability indicator
- Memory
- Auto-Power-Off
- Display of battery level, error messages
- Certifiable by National Metrology Centre (EU)

Included in the delivery:

- Temperature meter
- With/without probe
- Carrying case

Order No.	Type	Qty per unit
30GI.501000	Temp 7, electronic thermometer without probe	1
30GI.501010	Temp 7, electronic thermometer with probe NT7L	1
30GI.501020	Temp 7, electronic thermometer with penetration probe NT7P	1

Accessories and Consumables for Temp 7 NTC

Order No.	Type	Qty per unit
30GI.507010	Temperature probe NT7L	1
30GI.507011	Temperature penetration probe NT7P	1
30GI.509090	Calibration certificate by an accredited laboratory, 3-point calibration 0 to +100 °C (according to customer specification)	1
30GI.509095	Test certificate Gerber Instruments for Temp 7 and Temp 70	1

Temp 70 - Portable Thermometer for RTD Probes

Ergonomic and rugged handheld instrument with additional protective casing, protection: IP 57, large backlit display, RTD connection for temperature probe, 3 x 1.5 V batteries (AA).

Functions:

- Measuring range: -99.99 °C to +99.99 °C, division 0.01 °C
- Measuring range: -200 °C to +999.9 °C, division 0.1 °C
- Accuracy: ± 0.03 °C
- Datalogger for 1000 temperature values, manual or automatic, interval 1 min to 99 h
- One point calibration (with date and time)
- Display of the MIN/MAX values
- Measurement stability indicator
- Stability criteria of measurement: low-med-high
- Date and time on display
- Memory
- Auto-Power-Off
- Display of battery level/error messages
- USB port for connection with computer
- Software for data transfer
- Certifiable by National Metrology Centre (EU)

Included in the delivery:

- Temperature meter
- Software, power supply, USB cable
- Carrying case



Order No.	Type	Qty per unit
30GI.502000	Temp 70, electronic thermometer without probe, with datalogger	1

Accessories and Consumables for Temp 70 RTD

Order No.	Type	Qty per unit
30GI.507020	Temperature probe PT56L	1
30GI.507021	Temperature penetration probe PT56P	1
30GI.509090	Calibration certificate by an accredited laboratory, 3-point calibration 0 to +100 °C (according to customer specification)	1
30GI.509095	Test certificate Gerber Instruments for Temp 7 and Temp 70	1

More probes on request

Thermohygrometers

Polymeter

Order No.	Type	Qty per unit
10.7118	Precision thermometer and hygrometer Instruments in metal housing with Ø 103 mm, for wall mounting Measuring range: - Rel. humidity: 0 to 100 % - Temperature: -35 to +50 °C	1



9.726964

Thermohygrometer

Order No.	Type	Qty per unit
9.726403	Thermohygrometer, synthetic hair, case with brass hanging ring Measuring range: - Rel. humidity: 0 to 100 % - Temperature: -15 to +55 °C	1
9.726964	Thermohygrometer testo 608-H1, display of humidity/dew point and temperature as well as Max/Min values, incl. batteries	1
9.726405	Thermohygrometer TA100, display of humidity/dew point and temperature as well as Max/Min values, incl. batteries and alarm function Measuring range: - Rel. humidity: 1 to 99 % ± 3-5 % - Temperature: -40 to +70 °C ± 1 °C	1

Handbooks

Order No.	Type	Qty per unit
11.1001	Die praktische Milchprüfung und die Kontrolle von Molkereiprodukten Instructions for the in practice often used analysis methods K. Schneider/H. Roeder, 352 pages, 1979 edition, German	1
11.1002	Tratado Práctico de los Análisis de la leche K. Schneider/M. Arroyo, 230 pages, 1994 edition, Spanish	1

Alphabetical index

A

Accessories and Consumables for ColonyCount V	52
Accessories and Consumables for Purity Degree	74
Accessories and Consumables for Reduction Test	56
Accessories and Consumables for Temp 7 NTC	82
Accessories and Consumables for Temp 70 RTD	83
Accessories for Acidity Determination acc. to Peter	59
Accessories for Acidity Determination acc. to Soxhlet-Henkel	58
Accessories for Analytical Balances	32
Accessories for Centrifuge Gerber Universal	23
Accessories for Cryoscope C1 and C1A	42
Accessories for CT II	78
Accessories for Flow Out Viscometer	69
Accessories for Mixer for the Determination of Miscibility	76
Accessories for Moisture Analyzer BM 65	31
Accessories for Solubility Test	72
Accessories for Solumixer	73
Accessories for STAV II	75
Accessories for Tilt Measures Superior	18
Accessories for Waterbath Butytherm Mini	19
Accessories for Waterbath Eurotherm	21
Accessories for Waterbath Pot	19
Accessories for Waterbath WB 22 Pump	20
Acidimeter Salut	58
Acidity Determination according to Salut	58
Acidity Determination by Titration according to Dornic	60
Acidity Determination by Titration according to Peter	59
Acidity Determination by Titration according to Soxhlet-Henkel	58
Alcohol Hydrometer	37
Alcohol Hydrometer Class II without Thermometer	38
Alcohol Hydrometer without Thermometer	37
Aluminum Dishes	27
Amyl Alcohol Pipette	17
Analytical Balances	32
Automatic Acidity Buret Dornic	60
Automatic Acidity Buret Schilling	59
Automatic Acidity Buret Soxhlet-Henkel	58
Automatic Measures Permanent	18

B

Bacteriological Pipette	46
Bottle Carriers for Laboratory Bottles	6
Bottle Carriers for Milk Sample Bottles	5
Butter Butyrometer with Accessories	13
Butter Butyrometer without Accessories	13
Butter Triers	6
Butyrometer for Condensed Milk and Ice Cream Roeder w/ Acc.	11
Butyrometer for Condensed Milk and Ice Cream Roeder w/o Acc.	11
Butyrometer Racks	15
Butyrometer Reading Stand	15

C

Cannulas with Luer Lock	5
Centrifuge Gerber Micro II	24
Centrifuge Gerber Universal	22
Centrifuge Tube ADPI for Solubility Test (former ADMI)	72
Centrifuge Tube Gerber for Solubility Test	72
Centrifuge Tubes for Leucocytes Test	55
Cheese and Dairy Thermometer	79
Cheese Butyrometer according to BS and IS	12
Cheese Butyrometer Van Gulik with Accessories	12
Cheese Butyrometer Van Gulik without Accessories	12
Cheese Triers	6
Chemical Thermometer	80
Cleaning Brush for Butyrometer Body	16
Cleaning Brush for Butyrometer Scale	16
Colony Counter ColonyCount V	51
Comparison Table for Sediment Test	57
Cond 7 - Handheld Meters Set/Basic	64
Cond 70 - Handheld Meters Set/Advanced	64
Conductivity Tester - Cond 5 Set	65
Conical Rubber Stoppers	14
Consistometer Bostwick	70
Consumables for Centrifuge Gerber Micro II	24
Consumables for Cond 7 and Cond 70	65
Consumables for Cryoscope Gerber Standard	41
Consumables for Cryoscope C1 and C1A	43
Consumables for PC 7 and PC 70	67
Consumables for pH 7 and pH 70	63
Consumables for pH Cheese Set	61
Consumables for Solubility Test	72
Cork Stoppers for Extraction Flasks	26
Cream and Ice Cream Butyrometer Koehler Gerber Standard	9
Cream Butyrometer according to National Standards	11
Cream Butyrometer Koehler according to National Standards	9
Cream Butyrometer Koehler Gerber Standard	9
Cream Butyrometer Roeder with Accessories	10
Cream Butyrometer Roeder without Accessories	10
Cream Pipets	17
Crucible Tongs	28
Cryoscope C1	42
Cryoscope Gerber Standard	41

D

Dairy Thermometer	79
Desiccant Beads	29
Desiccator Plates	29
Detection of Fat Deterioration (Method MTI)	68
Determination of Color	77
Determination of Flowability of Powders	76
Determination of Miscibility and Clumping	76
Determination of the Jolted Specific Weight	75
Determination of the Solubility Index	72
Determination of Wettability of Powders	77
Determining the Angle of Repose of Powders and Granulates	77

Alphabetical index

D

Dilution Pipets	46
Dosing Syringes Original Gerber	4
Drigalski Spatula	46
Dry Milk Butyrometer Teichert with Accessories	13
Dry Milk Butyrometer Teichert without Accessories	13
Durham Tubes	46

E

Effect of Homogenization	71
ERLENMEYERCAP and LABOCAP	48
ERLENMEYERCAP without Handle	48
Evaporating Dish Liebefeld	28
Evaporating Dishes	28
Extraction Flasks acc. to Mojonner	26
Extraction Flasks acc. to Roese-Gottlieb	26

F

Fat-Free Dry Matter (Butyra Test)	44
Filter for Sediment Test	57
Filter Funnel for Sediment Test	57
Filtering Funnel for Milk Powder Samples	74
Flow Out Viscometer	69
Flow Viscometer	70
Flowability Funnel	76
Funnel Battery	77

G

General Accessories for Fat Extraction	27
General Accessories for Hydrometers	39
General Purpose Thermometer	80
Gerbal Stoppers	14
Glass Beaker	14
Glass Nail	15
Glass Viscometer	69
Glass Weighing Funnels	15

H

Handbooks	85
Hydrometer for Amyl Alcohol without Thermometer	36
Hydrometer for Brine acc. to Baumé without Thermometer	37
Hydrometer for Brine acc. to Bischoff without Thermometer	37
Hydrometer for Buttermilk Serum without Thermometer	35
Hydrometer for Condensed Milk without Thermometer	35
Hydrometer for Sulfuric Acid without Thermometer	36
Hydrometer for Whey with Thermometer	35
Hydrometer for Yogurt and Cocoa with Thermometer	35
Hydrometer Jars	39

Alphabetical index

I

Ice Cream Butyrometer APHA-SMEDP 13 SPEC	11
Ice Cream Butyrometer Koehler	10
Incubators	53
Inserts for Universal Rotor	23

J

Jolting Volumeter Gerber	75
Jolting Volumeter STAV II	75

L

LABOCAP with Handle	48
LABOCAP without Handle	49
Laboratory Bottles	6
Laboratory Thermometer	80
Lactic Meter	40
Lactodensimeter Gerber without Thermometer	34
Lactodensimeter Gerber without Thermometer with Density Scale	33
Lactodensimeter Quevenne without Thermometer	34
Ladle Scoop	4
Loop Holder	45
Loops according to Prof. Burri with Handle	45
Loops according to Prof. Burri without Handle	45

M

Maximum Thermometer for Swinging	80
Milk Butyrometer	8
Milk Butyrometer according to National Standards	8
Milk Butyrometer Original Gerber	7
Milk Butyrometer Original Gerber Officially Calibrated	7
Milk Dipper	4
Milk Pipets	17
Milk Powder Sampler	6
Milk Sample Bottles	5
Milk Stirrer	4
Mixer for the Determination of Miscibility and Clumping	76
Moisture Analyzer BM 65	31
Mojonnier Analyzer Moplant	25
More Equipment for Fat Extraction	25
Multi Purpose Cylinders for Hydrometers	39
Multiparameter Tester - PC 5 Set	67

O

Ovens	30
-------	----

P

PC 7 - pH/Cond Handheld Meters Set/Basic	66
PC 70 - pH/Cond Handheld Meters Set/Advanced	66
Pestle for Evaporating Dish Liebefeld	28
Petrifilm	53
pH 7 - Handheld Meters Set/Basic	62
pH 70 - Handheld Meters Set/Advanced	62
pH Cheese Set	61

Alphabetical index

P

pH Tester - pH 5 Set	63
pH Tester - pH 5 Set for Food	63
Phosphatase Test acc. to Aschaffenburg and Mullen	54
Phosphatase Test Lactognost	54
Plastic Thermometer	81
Platinum Loop	45
Platinum Wire	45
Plunger FT I	78
Pocket Thermometer	81
Polygard Thermometer	79
Polymeter	84
Pourability Tester	77
Precision Hydrometer without Thermometer	38
Precision Milk Butyrometer	7
Protection Cage for Thermometer	79
Purity Degree	74

Q

Quartz Sand	29
-------------	----

R

Rack for 4 Weighing Pipets	27
Rack for Mojonnier Flasks	26
Racks for Reduction Test Tubes	56
Reduction Test	56
Regulating Pins for Gerbal Stoppers	14
Remarks to Lactodensimeters and Hydrometers	39

S

Safety Eyeshield	16
Sample Dishes	32
Schalm Test Paddle	55
Schalm Test Solution	55
Sea Sand	29
Seal Foil Parafilm M	47
Sediment Test Pump	57
Sediment Tester Gerber	57
Sediment Tester Rapido	57
Self Filling Syringes Dosys	46
Shaking Cover	15
Shaking Machine Rototube	25
Sieve for Test Filter	74
Siphon Fitting to Roese-Gottlieb Flasks	26
Skim Milk Butyrometer with Accessories	8
Skim Milk Butyrometer without Accessories	9
Solumixer	73
Spare Glass Cylinders for Dosing Syringes	5
Special Hydrometer with Thermometer	36
Special Hydrometer without Thermometer	36
Special Rotor for Centrifuge Gerber Universal	23
Specifically Required Equipment for Method MTI	68
Spoon Spatulas	32

Alphabetical index

S

Strip Cup	55
Sulfuric Acid Pipets	17
Support for Permanent Automat 1 ml Single	18
Support for Permanent Automat 10 ml Single	18
Support for Permanent Automat Double	18
Suspended Glass Cylinder (Cardanic Suspension)	39
Swabs	46

T

Temp 7 - Portable Thermometer for NTC Probes	82
Temp 70 - Portable Thermometer for RTD Probes	83
Test Certificate for Butyrometers	13
Test Certificate for Hydrometers	39
Test Certificate for Thermometers	81
Test Strips MERCKOQUANT	47
Test Strips QUANTOFIX	47
Test Tubes for Reduction Test	56
Thermohygrometer	84
Thermolactodensimeter Gerber large Model with Thermometer	33
Thermolactodensimeter Gerber small Model with Thermometer	34
Thermolactodensimeter Quevenne with Thermometer	34
Thermometer for Lactodensimeter Gerber	33
Tilt Measures Superior	18
Total Solids Calculator Ackermann	28
Tweezers	32

U

Universal Rotor for Centrifuge Gerber Universal	23
Universal Thermometer	81

V

Vacuum Desiccators	29
Viewing Stand for Test Slides	74
V-Samples Scraper	77

W

Waring Mixer	73
Water Distribution in Butter	44
Water Pipette	17
Waterbath Butytherm Mini	19
Waterbath Eurotherm	21
Waterbath Pot	19
Waterbath WB 22 Pump	20
Weighing Dishes	32
Weighing Pipets	27
Whipped Cream Tester CT II	78
Whiteside Test	55

Index by order numbers

02.0000	4	03.0107	8	03.0450	11
02.0001	4	03.0108	8	03.0451	11
02.0002	4	03.0109	8	03.0452	11
02.0003	4	03.0110	8	03.0453	11
02.0004	4	03.0114	8	03.0520	12
02.0005	4	03.0200	7	03.05200	12
02.0006	4	03.0211	9	03.0540	12
02.0007	4	03.0221	9	03.05400	12
02.0008	4	03.0230	8	03.0541	12
02.1010	4	03.02300	9	03.05410	12
02.1011	4	03.0231	8	03.0542	12
02.1057	5	03.02310	9	03.05420	12
02.1058	5	03.0303	9	03.0543	12
02.1059	5	03.0304	9	03.05430	12
02.1060	5	03.0305	9	03.0551	12
02.11002	5	03.0306	9	03.0552	12
02.11004	5	03.0307	9	03.0610	13
02.11005	5	03.0308	9	03.06100	13
02.11006	5	03.0309	9	03.0611	13
02.1110	5	03.0314	9	03.06110	13
02.1200	6	03.0315	9	03.0620	13
02.1201	6	03.0317	9	03.06200	13
02.1202	6	03.0318	9	03.0735	13
02.1203	6	03.0319	9	03.07350	13
02.1204	6	03.0326	9	03.0770	13
02.1210	6	03.0327	9	03.07700	13
02.1211	6	03.0331	10	03.0900	14
02.1215	6	03.0332	10	03.0902	14
03.0001	7	03.0333	10	03.0905	14
03.0009	7	03.0400	13	03.0906	14
03.0010	7	03.0403	10	03.0910	14
03.0012	7	03.04030	10	03.0915	14
03.0014	7	03.0404	10	03.0920	14
03.0016	7	03.04040	10	03.0925	14
03.0020	7	03.0410	10	03.0926	14
03.0025	7	03.04100	10	03.0930	14
03.0029	7	03.0411	10	03.0931	14
03.0030	7	03.04110	10	03.0932	14
03.0031	7	03.0412	10	03.0933	15
03.0032	7	03.04120	10	03.0935	15
03.0033	7	03.0414	10	03.0936	15
03.0043	7	03.04140	10	03.1000	17
03.0059	7	03.0415	10	03.1001	17
03.0060	7	03.04150	10	03.1002	17
03.0061	7	03.0416	10	03.1003	17
03.0062	7	03.04160	10	03.1004	17
03.0070	7	03.0417	10	03.1005	17
03.0071	7	03.04170	10	03.1006	17
03.0072	7	03.0418	10	03.1007	17
03.0080	8	03.04180	10	03.1008	17
03.0081	8	03.0420	10	03.1010	17
03.0082	8	03.04200	10	03.1020	17
03.0083	8	03.0430	11	03.1021	17
03.0084	8	03.04300	11	03.1022	17
03.0086	8	03.0431	11	03.1030	17
03.0087	8	03.04310	11	03.1040	17
03.0088	8	03.0432	11	03.1041	17
03.0089	8	03.04320	11	03.1042	17
03.0090	8	03.0440	11	03.1043	17
03.0105	8	03.0441	11	03.1050	17
03.0106	8	03.0442	11	03.11002	18

Index by order numbers

03.1111	18	03.9202	21	05.1021	34
03.1112	18	03.9203	21	05.1022	34
03.1201	18	03.9204	21	05.1025	34
03.1202	18	03.9205	21	05.1026	34
03.1230-1	18	03.9206	21	05.1030	35
03.1230-10	18	03.9207	21	05.1031	35
03.1231	18	03.9208	21	05.1032	35
03.13000	4	03.9210	21	05.1033	35
03.1350	4	03.9211	21	05.1034	35
03.1351	4	03.9213	21	05.1035	36
03.1352	4	03.9214	21	05.1037	36
03.1353	4	03.9500	15	05.1038	36
03.1354	4	03.9501	15	05.1039	36
03.1355	4	04.3000	26	05.1040	36
03.1360	5	04.30000	26	05.1041	36
03.1361	5	04.30000-1	26	05.1042	36
03.1362	5	04.30001	26	05.1043	36
03.1363	5	04.30001-1	26	05.1045	36
03.1364	5	04.3001	26	05.1048	36
03.1365	5	04.3002	26	05.1049	36
03.1500	15	04.30020	26	05.1151	37
03.1500	19	04.3003	26	05.1153	37
03.1521	15	04.3004	26	05.1160	36
03.1521	19	04.3005	26	05.1161	36
03.1550	15	04.3006	26	05.1165	36
03.1560	15	04.3007	26	05.11650	37
03.16269-12	24	04.3020	27	05.1166	37
03.16269-8	24	04.3021	27	05.1167	37
03.1630	23	04.3022	27	05.1168	37
03.1631	23	04.3025	27	05.1169	37
03.1632	23	04.3030	27	05.1170	37
03.1632	25	04.3031	27	05.1171	37
03.163201	25	04.3100	25	05.1172	37
03.1633	23	04.3221	25	05.1173	37
03.2250	24	04.3231	25	05.1176	38
03.2251	24	05.0000	28	05.1177	38
03.2260	24	05.0005	28	05.1178	38
03.2261	24	05.0006	28	05.1179	38
03.2270	24	05.0007	28	05.1184	38
03.2271	24	05.0009	28	05.1185	38
03.3110-12	22	05.0010	28	05.1186	38
03.3110-12	25	05.0011	28	05.1187	38
03.3110-36	22	05.0020	28	05.1188	38
03.3111-12	22	05.0021	28	05.1189	38
03.3111-12	25	05.0022	28	05.1191	38
03.3111-36	22	05.0030	29	05.1192	38
03.3112-12	22	05.0031	29	05.1193	38
03.3112-12	68	05.0032	29	05.1194	38
03.3112-36	22	05.0050	28	05.1205	39
03.3113-12	22	05.1000	33	05.12051	39
03.3113-12	68	05.1001	33	05.12053	39
03.3113-36	22	05.1002	33	05.1517	34
03.3300	23	05.1003	33	05.1518	34
03.3340	23	05.1004	39	05.2000	40
03.3341	23	05.1007	33	05.2100	41
03.9031	19	05.1008	33	05.2201	41
03.9034	19	05.1010	34	05.2202	41
03.9100	19	05.1011	34	05.2203	41
03.9101	19	05.1012	34	05.25095	42
03.9105	19	05.1013	34	05.25500	42
03.9201	21	05.1020	34	05.25501	42

Index by order numbers

05.25502	42	06.3000	56	09.0040-230CH	73
05.25503	42	06.3000	59	09.0041-115	73
05.25504	42	06.3001	56	09.0041-230	73
05.25505	43	06.3001	59	09.0051	73
05.5020	43	06.3002	56	09.0052	73
05.5021	43	06.3003	56	09.0053	73
05.5022	43	06.3005	56	09.0056	73
05.5024	43	06.3005	58	09.0060	74
05.5025	43	06.3011	56	09.0061	74
05.5026	43	06.3013	56	09.0100	74
05.5027	43	06.3015	56	09.0103	74
05.5028	43	06.3016	56	09.01030	74
05.5030	42	06.3020	56	09.0110	74
05.6100	44	06.3022	56	09.0111	74
05.6101	44	06.3033	56	09.0200	75
06.0000	45	06.8000	57	09.0200-115	75
06.0001	45	06.8010	57	09.0201	75
06.0002	45	06.8015	57	09.0202	75
06.0003	45	06.8030	57	09.0203	75
06.0004	45	06.8040	57	09.0210	75
06.0005	45	06.8040-115	57	09.0220	75
06.0006	45	06.8050	57	09.0221	75
06.0007	45	06.8052	57	09.0300	76
06.0010	45	06.8052S	57	09.0301	76
06.0011	45	06.8060	57	09.0302	76
06.0012	45	07.0010	58	09.0303	76
06.0013	45	07.0011	58	09.0450	77
06.0021	45	07.0030	58	09.0451	77
06.0100	46	07.0100	58	09.0460	77
06.0101	46	07.0101	58	09.0461	77
06.0102	46	07.0110	58	09.1000	78
06.0105	46	07.0111	58	09.100052	78
06.0130	46	07.0120	58	09.1010	78
06.1300	51	07.0130	59	09.1200	78
06.130003	52	07.0131	59	09.2010	78
06.130004	52	07.0132	59	09.2011	78
06.1303	52	07.0133	59	09.2020	78
06.1307	52	07.0150	60	09.4000	76
06.1308	52	07.01500	60	09.8135	77
06.1309	52	07.0151	60	09.8138	77
06.1313	52	07.01510	60	10.0000	79
06.1399	52	08.2000	68	10.0001	79
06.140009	52	08.2010	68	10.0002	79
06.140019	52	08.3000	69	10.0003	79
06.140024	52	08.3002	69	10.0010	79
06.1410	52	08.3003	69	10.0020G	79
06.1411	52	08.3004	69	10.0021G	79
06.1920	53	08.3005	69	10.0060	79
06.1921	53	08.3006	69	10.0061	79
06.1922	53	08.3008	69	10.1000	41
06.1923	53	08.3009	69	10.1010	19
06.1924	53	08.3012	70	10.1105	80
06.1926	53	08.3013	70	10.1110	80
06.2010	54	08.4000	71	10.1115	80
06.2033	54	08.40001	71	10.1125	80
06.2050	55	09.0010	72	10.1205	81
06.2051	55	09.0011	72	10.1207	81
06.2052	55	09.0020	72	10.1211	81
06.2060	55	09.0021	72	10.1212	81
06.2061	55	09.0040-115	73	10.1220	81
06.2070	55	09.0040-230CEE	73	10.1221	81

Index by order numbers

10.1231	81	30GI.107030	63	35.0122	73
10.1233	81	30GI.107030	67	42.0290	32
10.2000	81	30GI.107040	63	50.108800	61
10.7118	84	30GI.108010	63	50.108802	61
11.1001	85	30GI.108010	67	50.108804	61
11.1002	85	30GI.108015	63	50.1200	61
20.0009	58	30GI.108015	67	50.1510	61
20.0804	59	30GI.108020	63	50.250113	52
20.0805	59	30GI.108020	67	50.pH3110-KE	61
21.2702	18	30GI.108025	63	6.072147	54
23.0710	59	30GI.108025	67	6.075938	46
23.0711	59	30GI.108030	63	6.077879	80
23.0713	59	30GI.108030	67	6.200767	38
23.0714	59	30GI.108035	63	6.205165	46
23.0721	58	30GI.108035	67	6.205225	32
23.0722	58	30GI.201010	64	6.227043	38
23.0723	58	30GI.201020	64	6.227045	38
23.0724	58	30GI.202010	64	6.227046	38
23.1020	6	30GI.202020	64	6.227047	38
23.21042	48	30GI.203050	65	6.228414	38
23.21043	48	30GI.203060	65	6.231928	38
23.21210	49	30GI.207020	65	6.235043	42
23.21212	49	30GI.207020	67	6.236854	31
23.21213	49	30GI.207030	65	6.250170	33
23.21214	49	30GI.207030	67	6.250252	38
23.21215	49	30GI.208010	65	6.250253	38
23.21216	49	30GI.208010	67	6.250254	38
23.21217	49	30GI.208020	65	6.253649	16
23.21218	49	30GI.208020	67	6.258006	42
23.21219	50	30GI.208030	65	6.262604	46
23.21220	50	30GI.208030	67	6.267160	29
23.21221	50	30GI.401020	66	6.267161	29
23.21222	50	30GI.402020	66	60.1055	72
23.21223	50	30GI.403050	67	60.1055-100	72
23.21224	50	30GI.403060	67	7.072177	54
23.21225	50	30GI.501000	82	7.075920	44
23.21226	50	30GI.501010	82	7.672290	19
23.21227	50	30GI.501020	82	74.6906940	31
23.21228	50	30GI.502000	83	9.004301	37
23.21229	50	30GI.507010	82	9.004302	37
23.21230	50	30GI.507011	82	9.004900	39
23.21231	48	30GI.507020	83	9.042009	29
23.21232	48	30GI.507021	83	9.042119	29
23.21233	48	30GI.509090	82	9.042131	29
23.21234	48	30GI.509090	83	9.042138	29
24.2104	5	30GI.509095	82	9.042143	29
25.0001	16	30GI.509095	83	9.042147	29
25.0002	16	30GI.601010	30	9.042514	29
25.6030	52	30GI.601020	30	9.042519	29
30GI.101020	62	30GI.602010	30	9.042523	29
30GI.101030	62	30GI.602020	30	9.042528	29
30GI.101040	62	30GI.603010	53	9.042543	29
30GI.102020	62	30GI.603020	53	9.042544	29
30GI.102030	62	30GI.701030	20	9.072000	6
30GI.102040	62	30GI.701096	20	9.072001	6
30GI.103050	63	30GI.701097	20	9.072002	6
30GI.103051	63	30GI.701098	20	9.072005	6
30GI.103060	63	30PI.AAC70	31	9.072007	6
30GI.103061	63	30PI.BM-65	31	9.072019	6
30GI.107020	63	33.1200	19	9.102206	6
30GI.107020	67	35.0100	73	9.102216	6

Index by order numbers

9.129934	47	9.231446	50
9.130411	47	9.231447	50
9.130426	47	9.231448	50
9.130427	47	9.231449	50
9.150315	32	9.231456	48
9.150318	32	9.231457	48
9.150665	4	9.231458	48
9.150685	4	9.231460	49
9.150700	4	9.231461	49
9.160020	45	9.231462	49
9.170002	47	9.231463	49
9.170003	47	9.231464	49
9.170005	47	9.231465	49
9.171311	32	9.231466	49
9.171313	32	9.235303	80
9.190200	46	9.235305	80
9.230145	76	9.235310	80
9.231326	48	9.235315	80
9.231327	48	9.235320	80
9.231328	48	9.235325	80
9.231329	48	9.235336	80
9.231330	48	9.235342	80
9.231331	48	9.235405	80
9.231332	48	9.235410	80
9.231333	48	9.235495	80
9.231334	49	9.235496	80
9.231335	49	9.235910	80
9.231336	49	9.235915	80
9.231337	49	9.235925	80
9.231338	49	9.260189	69
9.231339	50	9.262410	69
9.231340	50	9.310122	28
9.231341	50	9.310125	28
9.231342	50	9.310130	28
9.231345	48	9.318052	39
9.231347	48	9.318053	39
9.231369	49	9.318068	39
9.231372	49	9.404001	46
9.231374	49	9.411449	43
9.231375	49	9.411501	43
9.231377	49	9.411521	46
9.231379	50	9.411527	46
9.231381	50	9.726403	84
9.231385	50	9.726405	84
9.231388	50	9.726964	84
9.231403	48	9.901452	32
9.231413	48	9.901453	32
9.231421	49	9.947150	54
9.231422	49		
9.231423	49		
9.231424	49		
9.231425	49		
9.231426	50		
9.231427	50		
9.231428	50		
9.231429	50		
9.231441	49		
9.231442	49		
9.231443	49		
9.231444	49		
9.231445	49		