



LABORTOPS

valid until 30.09.2019

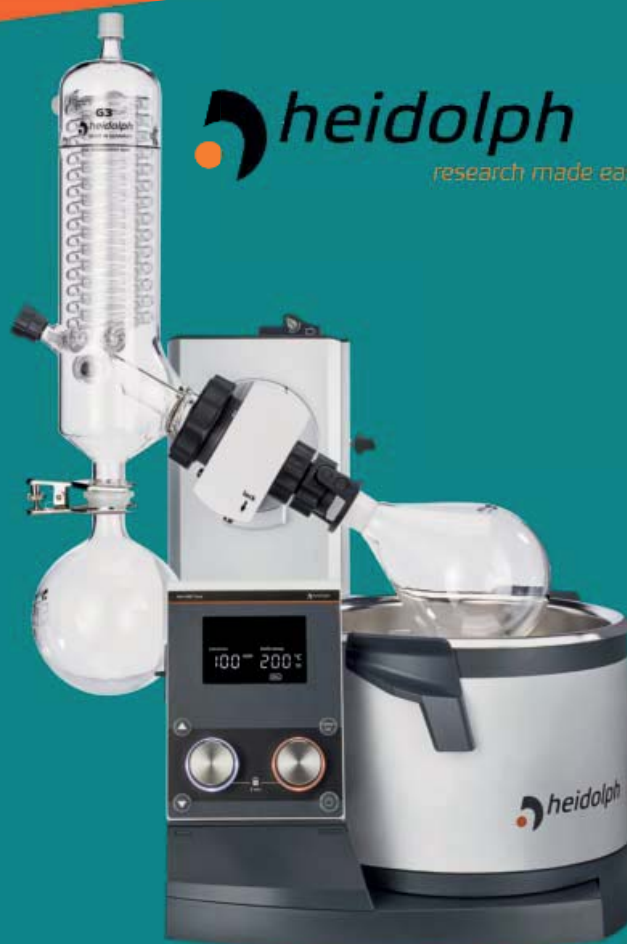


Rotary Evaporator Hei-VAP Core

NEW

- With Hand or Motor Lift
- Residual Heat Warning
- Detachable Control Panel

heidolph
research made easy



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LLG-Rack for Vials, PP



For all 1.5 and 4 ml vials.
For up to 50 vials, blue, stackable.

-30%

For vials	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
ml				EUR	EUR
1.5	200 x 105 x 17	1	7.970 861	14,80	10,36
4.0	230 x 117 x 28	1	6.280 873	20,20	14,14

WHEATON Vials®, borosilicate glass

WHEATON Vials® feature a low profile for greater stability. With cap.



4.00
15 x 48
amber
flat bottom
+
144
7.500 011
~~97,01~~
72,57



8.00
17 x 63
amber
flat bottom
+
144
7.500 022
~~111,05~~
83,07

-25%

Capacity	ml
o.d. x Height	mm
Colour	
Form	
Caps	
PK	
Cat. No.	
Price	EUR
Now	EUR

General Purpose Couplings with Valve

PMC coupling natural white. Both coupling elements are fitted with a valve. When disconnecting the coupling, both sides close tightly. Main components and stop valve made of acetal. Material O-rings: Buna-N

- Unlocking button for single-handed operation operation
- Integrated connections for short installation lengths and fast installation



4.662 902



4.662 920



**Single-Handed
Operation**

-16%

Specifications

Operating pressure: Vacuum up to 8.3 bar
Operating temperature: -40 ... 82 °C

Type	Connection diam. inside	PK	Cat. No.	Price	Now
				EUR	EUR
Coupling PMCD1002BSPT, thread	1/8" BSPT	1	4.662 891	5,87	4,93
Coupling PMCD1004BSPT, thread	1/4" BSPT	1	4.662 893	6,15	5,17
Coupling PMCD1602, tubing nozzle	1/8", 3.2 mm	1	4.662 899	8,04	6,75
Coupling PMCD1604, tubing nozzle	1/4", 6.4 mm	1	4.662 902	8,17	6,86
Coupling PMCD1701, tubing nozzle	1/16", 1.6 mm	1	4.662 904	6,64	5,58
Coupling PMCD1702, tubing nozzle	1/8", 3.2 mm	1	4.662 906	5,77	4,85
Coupling PMCD1704, tubing nozzle	1/4", 6.4 mm	1	4.662 909	5,77	4,85
Coupling plug PMCD2402BSPT, thread	1/8" BSPT	1	4.662 926	5,98	5,02
Coupling plug PMCD2404BSPT, thread	1/4" BSPT	1	4.662 928	7,00	5,88
Coupling plug PMCD4202, tubing nozzle	1/8", 3.2 mm	1	4.662 930	7,77	6,53
Coupling plug PMCD4204, tubing nozzle	1/4", 6.4 mm	1	4.662 932	8,03	6,75
Coupling plug PMCD2201, tubing nozzle	1/16", 1.6 mm	1	4.662 915	5,95	5,00
Coupling plug PMCD2202, tubing nozzle	1/8", 3.2 mm	1	4.662 917	5,16	4,33
Coupling plug PMCD2204, tubing nozzle	1/4", 6.4 mm	1	4.662 920	5,26	4,42
Coupling plug PMCD2302, tubing nozzle	1/8", 3.2 mm	1	4.662 922	7,62	6,40
Coupling plug PMCD2304, tubing nozzle	1/4", 6.4 mm	1	4.662 924	7,77	6,53

Rotary Evaporator Hei-VAP Core



- Clear digital display for monitoring the current values and separate button to display the set values
- Two separate operating knobs for adjusting the rotation speed and heating temperature with LED ring light system for activity indication
- Activated lock feature prevents inadvertent adjustments
- Residual heat indicator when >50 °C
- Easily adjust immersion depth up to 155 mm and the tilt angle of the evaporating flask from 20° to 80°
- Optional cable extension: the operating panel can be detached for use outside closed fume hoods

Scope of supply: Flask clamp Easy-Clip, vapour tube, ventilation cap, lift stop to limit immersion depth, heating bath, 1-L receiving flask, 1-L evaporating flask. Supplied condensor as indicated.

Specifications	
Drive	
Speed range:	10 ... 280 rpm
Speed display:	digital
Stroke displacement:	155 mm
Protection class:	IP 42
Heating bath	
Bath volume:	4.5 l
Temperature range:	ambient ... 210 °C
Power input:	1300 W
Protection class:	IP 67
General data	
Condensing surface:	1400 cm²
Power supply:	230 V



- **Disable Function Prevents Unintentional Value Adjustment**
- **Residual Heat Warning**
- **Detachable Control Panel**

Rotary Evaporators Hei-VAP Core, with hand lift

-6%

Description	Glassware set	Plug type	PK	Cat. No.	Price	Now
					EUR	EUR
G3 Vertical condenser	standard	EU	1	4.666 086	3.180,00	2.984,11

Rotary Evaporators Hei-VAP Core, with motor lift

-6%

Description	Glassware set	Plug type	PK	Cat. No.	Price	Now
					EUR	EUR
G3 Vertical condenser	standard	EU	1	4.666 096	3.480,00	3.265,63

Round Bottom Flasks with conical ground joint, DURAN®



Lenz
Laborglas GmbH & Co. KG

According to DIN EN ISO 4797 and in addition to DIN standard (*), with inscription label, material: DURAN®.

-18%

Capacity	Flask diam.	Socket	PK	Cat. No.	Price	Now
ml	mm	NS			EUR	EUR
5	30	14/23*	10	4.667 710	66,30	54,10
10	35	14/23*	10	4.667 711	59,30	48,63
25	41	14/23	10	4.667 712	70,40	57,73
50	51	14/23	10	4.667 713	75,60	61,99
100	64	14/23	10	4.667 714	75,00	61,50
50	51	29/32	10	4.667 715	91,20	74,78
100	64	29/32	10	4.667 716	77,80	63,80
250	85	29/32	10	4.667 718	143,10	117,34
500	105	29/32	10	4.667 719	182,80	149,90
1000	131	29/32	10	4.667 720	266,40	218,45

Pear Shape Flasks with conical ground joints, DURAN®



Lenz
Laborglas GmbH & Co. KG

According to DIN 12383 and in addition to DIN standard, with inscription label, material: DURAN®

-18%

Capacity	Flask diam.	Socket	PK	Cat. No.	Price	Now
ml	mm	NS			EUR	EUR
10	33	14/23	10	4.667 515	74,70	61,25
25	42	14/23	10	4.667 516	94,90	77,82
50	51	14/23	10	4.667 517	104,30	85,53
100	64	14/23	10	4.667 518	122,10	100,12

NS-Glass Stoppers, hollow borosilicate glass 3.3



Lenz
Laborglas GmbH & Co. KG

To DIN 12252. Lower closed end of stopper features a "drip-tip". Hexagonal flat head prevents the stopper from rolling and allows stopper to be stood on end preventing contamination of the ground surface.

-30%

Description	NS	PK	Cat. No.	Price	Now
				EUR	EUR
clear	10/19	10	4.667 524	15,00	10,50
clear	12/21	10	4.667 525	15,00	10,50
clear	14/23	10	4.667 526	15,00	10,50
clear	19/26	10	4.667 527	20,00	14,00
clear	24/29	10	4.667 528	28,00	19,60
clear	29/32	10	4.667 529	44,00	30,80

Flask Rings, pressed cork



Height 30 mm.

-30%

For flasks	Ext. diam.	Int. diam.	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
10 - 100	80	30	10	4.667 531	23,40	16,38
250 - 500	110	60	10	4.667 532	32,40	22,68
1000 - 2000	140	90	10	4.667 533	47,40	33,18
3000	170	120	10	4.667 534	61,50	43,05

LLG-Filtering Apparatus, borosilicate glass



NEW



Complete Set



Universally applicable filtration unit made of high-quality borosilicate glass. Wide range of applications for filtration with filter paper or membrane filters (47 mm).

- Large funnel (300 ml) with scale
- Filter flask 1 or 2 litres, with scale
- Safe plastic olive
- Filter plate with porosity 2
- Filter plates with porosity 1 or 3 optionally available
- All components available as spare parts

Scope of delivery: 1000 (2000) ml Filter flask NS45/40, funnel 300 ml, filter holder NS45/40 with connector GL14 and filter plate 47 mm (por. 2), clamp.

-30%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
1000	1	6.291 850	339,00	230,30
2000	1	6.291 851	379,00	265,30

Accessories for LLG-Filtering Apparatus

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Filter holder NS45/40 with connector GL14 and filter plate 47 mm (por.1) for Filtration unit	1	6.291 857	140,60	98,42
LLG-Filter holder NS45/40 with connector GL14 and filter plate 47 mm (por.3) for Filtration unit	1	6.291 858	132,00	92,40

BUDDE - Joint Grease



For all glass joints. Transparent, vacuum tight, water washable and water soluble. Maintains practically the consistency between -30 °C and +200 °C, non-solidifying. Compatible with most elastomers. Tube of 80 g.



Universal Use

-18%

Weight	PK	Cat. No.	Price	Now
g			EUR	EUR
80	1	9.116 950	23,00	18,77

Sleeves with ribs, PTFE



For use with ground glass joints. Suitable for vacuums up to 0.1 mbar. Reusable and long lasting. The sealing ribs grip on the inside wall of the glass socket, sealing without the need for grease and enabling the cone to be freed easily when required.

-19%

NS	PK	Cat. No.	Price	Now
			EUR	EUR
14/23	10	4.667 519	12,80	10,40
19/26	10	4.667 520	14,30	11,58
24/29	10	4.667 521	22,80	18,47
29/32	10	4.667 522	27,70	22,44
45/40	5	4.667 523	33,95	27,50

LLG-Joint Clips, POM



For easy and safe fixing of jointed glassware.

-30%

NS	Colour	PK	Cat. No.	Price	Now
				EUR	EUR
14	yellow	10	6.291 859	17,00	11,90
19	blue	10	6.291 860	17,50	12,25
24	green	10	6.291 861	19,00	13,30
29	red	10	6.291 862	20,50	14,35

Macropipette Controllers



The handwheel allows precise suction of the liquid into the pipette with one hand. When the wheel stops, the piston remains in the desired position. The liquid can be blown out by pressing the piston back or allowed to flow out by setting the lateral switch to "Ex".

-9%

For	PK	Cat. No.	Price	Now
			EUR	EUR
Pipette volume up to 2 ml	1	4.008 322	9,00	8,19
Pipette volume up to 10 ml	1	4.008 323	9,00	8,19
Pipette volume up to 25 ml	1	4.008 324	9,90	9,03

Graduated Pipettes FORTUNA®, with suction piston, AR-Glass, according to class A

Poulsen & Graf
SUPERIOR LABORATORY PRODUCTS



With permanent, amber, enamelled graduations. Tolerances similar to class A.

-17%

Capacity	Grad.	PK	Cat. No.	Price	Now
ml	ml			EUR	EUR
1	0.01	1	9.273 301	10,84	8,96
2	0.02	1	9.273 302	10,84	8,96
5	0.05	1	9.273 305	12,36	10,29
10	0.1	1	9.273 310	13,85	11,48
20	0.1	1	9.273 320	18,19	15,05
25	0.1	1	9.273 325	18,95	15,68

Graduated Pipettes, soda glass, class AS, type 3, blue graduation

ISOLAB
Laborgeräte GmbH



Soda glass. Conformity-certified. With batch date identification. DIN EN ISO 835, DIN 12699 and BS700 - 1583. Calibrated to deliver (EX). Ring marks and graduations in permanent blue enamel.

-30%

Volume	Graduations	Tolerance	Length	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
1	0.01	0.007	360	12	6.290 861	43,50	30,45
2	0.02	0.010	360	12	6.290 862	44,80	31,36
5	0.05	0.030	360	12	6.290 863	51,00	35,70
10	0.1	0.050	360	12	6.290 864	53,20	37,24
20	0.1	0.100	450	12	6.290 865	70,10	55,37
25	0.1	0.100	450	12	6.290 866	101,50	71,05
50	0.1	0.200	720	12	6.290 867	273,40	191,38

LLG-Safety Pipette Bulb, rubber, red



Chemically resistant rubber. With valves for suction, emptying and air release, controlled by thumb and finger pressure.

-30%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Safety pipette bulb, universal	1	6.270 266	9,90	6,93

Safety Pipette Bulb Howorka-Ball®



Suitable for all Common Pipe Diameters

- Without valves, troublesome hoses or air cushions
- Used for all common pipe diameters
- Long service life due to durable materials
- Possibility of cleaning and steam sterilization

-17%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
20	1	9.273 826	16,50	13,65
50	1	9.273 827	18,50	13,37

Pipette Stand, PP

ISOLAB
Laborgeräte GmbH



For up to 94 pipettes. Lower turntable has a raised rim that absorbs leaking fluids.

-27%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Pipette stand, vertical	1	9.273 895	47,20	34,23

Bottletop Dispenser LLG-uniTOPDISPENS 2 DUO



- 4 Operatin Models!
- High Chemical Compatibility
- Piston Made of PTFE and Re-Circulation Valve

The LLG-uniTOPDISPENS 2 DUO enables 4 modes of dispensing in just one Dispenser: Dilution, Rinsing, Dual Liquid Handling and Re-circulation in a single unit.

- Refilling and rinsing without the need to dismount
- 4 modes of dispensing: Dilution, Rinsing, Dual Liquid Handling and Re-circulation in a single unit
- Springless PTFE valve and piston, with chemically resistant ETP O-ring, **high chemical compatibility**
- Glass cylinder from borosilicate glass 3.3
- Smooth, reproducible and effortless dispensing
- 360° rotation possible due to specially designed bottle adapter
- Flexible and adjustable delivery nozzle provides dispensing angle flexibility to the user
- **The telescopic extractable intake tube can be easily adjusted to varying bottle heights**
- Five bottle adaptors included (28, 32, 37, 40 and 45 mm); thread: 30 mm
- Fully autoclavable at 121 °C, 15 psi for 10 to 15 min
- Individually calibrated in accordance with ISO 8655 standards and each unit is supplied with an individual calibration certificate

-30%

Volume	Graduations	PK	Cat. No.	Price	Now
ml	ml			EUR	EUR
0.25 - 2.5	0.05	1	6.282 281	405,00	283,50
0.5 - 5	0.1	1	6.282 282	423,00	296,10
1 - 10	0.2	1	6.282 283	423,00	296,10
2.5 - 30	0.5	1	6.282 284	534,00	373,80
5 - 60	1.0	1	6.282 285	552,00	386,40
10 - 100	2.0	1	6.282 286	771,00	539,70

Bottle-top Dispensers Calibrex™ digital 520/Calibrex™ solutae 530



- Completely Autoclavable
- Prevents Cristallisation

Calibrex™ dispensers have a PFA coated plunger which prevents the plunger and barrel from seizing together. This enables trouble free distribution of salt solutions, weak and strong acids, as well as bases.

- 45 mm base thread
- Integrated calibration system
- Choice of adjustment button with each unit
- Autoclavable at 121 °C fully assembled
- Two-year warranty

Scope of delivery: Delivery jet and stopper, feed tube, 3 alternative adapters (25, 28, 32 mm for 1 and 2.5 ml versions; 28, 32, 40 mm for 5 and 10 ml version; 32, 38, 40 mm for 25 ml onwards), QC certificate and operating instructions

-30%

Type	Volume	Graduations	Recycle valve	PK	Cat. No.	Price	Now
	ml	ml				EUR	EUR
solutae 530	1 - 10	0.2	without	1	6.281 546	294,00	222,52
solutae 530	10 - 100	1.0	without	1	6.258 446	477,00	351,18
solutae 530	1 - 10	0.2	with	1	6.281 550	340,00	256,18
solutae 530	10 - 100	1.0	with	1	6.261 223	523,00	384,84
digital 520	0.25 - 2.0	0.6		1	9.411 529	287,00	200,90
digital 520	1 - 5	0.6		1	9.411 530	287,00	200,90
digital 520	1 - 10	0.6		1	9.411 531	287,00	200,90

LLG-Wash Bottles, narrow neck, PE



Easy to squeeze, translucent. The stream of the liquid can be easily controlled by hand pressure. Dispensing tip can be cut back in order to increase the flow rate.

-4%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
500	10	9.223 511	39,00	37,38
1000	10	9.223 512	58,00	48,23

Griffin Beakers, PP



Highly transparent. With spout and easily readable, blue printed scale. To preserve markings, cleaning at no higher than 60 °C is recommended. Food-safe product according to EC Directive No. 10/2011.

-30%

Nominal capacity	Grad.	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	ml	mm	mm			EUR	EUR
25 **	5	38	50	12	4.667 586	12,96	9,07
50 **	10	47	60	12	4.667 576	14,64	10,25
100	10	55	70	12	4.667 575	15,36	10,75
150 *	20	66	80	12	4.667 574	19,08	13,36
250	25	77	95	6	4.667 577	10,92	7,64
400 *	50	87	112	6	4.667 584	15,36	10,75
500	50	94	118	6	4.667 583	16,20	11,34
600	50	100	127	6	4.667 573	16,92	11,84
1000	100	120	147	6	4.667 582	24,72	17,36
2000	200	149	187	6	4.667 585	44,76	31,33

* Supplementary to ISO 7056
**blue printed scale, not raised

Wide-Mouth Bottles, HDPE with screw cap, PP



Durable, general-purpose bottles with countless applications in the lab or field. Translucent. Wide mouth is easy to fill with dry materials or liquids. Suitable for shipping liquids. Leakproof with PP screw cap.

-30%

Capacity	Cover type	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
30	28	12	9.103 221	9,27	6,49
60	28	12	9.103 222	11,02	8,82
125	38	12	9.103 223	15,23	12,18
250	43	12	9.103 224	19,67	15,74
500	53	12	9.103 225	22,26	25,80
1000	63	6	9.103 226	21,20	16,96

Wide-Mouth Bottles, with screw cap, PP



Rigid wall. For general laboratory use.

- Transparent
- Autoclavable (cap should be unscrewed before autoclaving)
- Leakproof
- Withstands temperatures up to +121 °C

-30%

Capacity	Cover type	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
30	28	12	9.103 248	9,87	6,91
60	28	12	9.103 249	11,47	8,03
125	38	12	9.103 250	17,83	12,48
250	43	12	9.103 251	23,50	16,45
500	53	12	9.103 252	30,50	21,35
1000	63	6	9.103 253	23,25	16,28

Aluminium Zipper Bags, sealable



AS ONE

- For Light-Sensitive Content
- Sturdy due to 5-Layer Composite Film



NEW

- Stand-up pouches
- 5 layerfilm of PET, SPE, AL, SPE, and PE
- High barrier properties against oxygen and water vapour
- Protection against the effects of UV radiation
- Temperature range: -40 ... 90 °C

-30%

Thickness	Dimensions (D x W)	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
0.11	90 x 115	50	4.665 050	23,29	16,31
0.11	100 x 160	50	4.665 051	31,39	21,98
0.11	120 x 180	50	4.665 052	40,29	28,21
0.11	140 x 200	50	4.665 053	51,41	36,05
0.15	300 x 420	25	4.665 054	98,37	68,88
0.15	340 x 480	25	4.665 055	121,26	84,91
0.11	160 x 230	50	4.665 056	64,77	45,36
0.11	180 x 260	50	4.665 057	81,99	57,40
0.11	200 x 280	50	4.665 058	97,78	68,46
0.15	220 x 300	50	4.665 059	117,40	82,18
0.11	110 x 170	50	4.665 060	35,84	25,13
0.11	130 x 190	50	4.665 061	46,15	32,34
0.11	150 x 210	50	4.665 062	57,36	40,11
0.15	240 x 340	50	4.665 063	145,33	101,78

Spoon Spatula LaboPlast®/SteriPlast®, PS



burkle



White. The spoon spatula is a double spatula with a 0.5 ml spoon and a 17 mm spoon blade. The spoon spatula has many different uses in labs, as a sampling spoon, for measuring or transferring small amounts, as a scraper or for mixing and stirring. Specially designed for disposable use, resistant to chemicals and corrosion-proof.

- Individually packed, SteriPlast® additionally gamma-sterilized
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

-14%

Type	Sterile	Length	PK	Cat. No.	Price	Now
		mm			EUR	EUR
LaboPlast®	-	178	100	6.284 543	18,55	15,99
SteriPlast®	+	178	100	6.284 544	45,25	39,07

Space-Saving Jerrycans, HDPE, electrically conductive



burkle

- For Use in Ex-Areas
- Also for Light-Sensitive Content
- Space Saving



NEW

For use in explosion-protected areas.

- Black
- Antistatic
- Surface resistance < 10⁵ Ohm
- With or without drain cock
- Space-saving due to its narrow width
- Grounding by means of antistatic set (available as accessory)

-12%

Capacity	Description	Width	PK	Cat. No.	Price	Now
ml		mm			EUR	EUR
5000	without drain cock	65	1	4.665 330	42,90	37,93
10000	without drain cock	125	1	4.665 331	57,00	50,39
5000	with drain cock	65	1	4.665 322	63,05	55,73
10000	with drain cock	125	1	4.665 329	76,20	67,36

Double Scoop Spatula LaboPlast®/SteriPlast®, PS



burkle



White. Content 1.0 and 0.25 ml, spatula width 11 mm on one side and 5.7 on the other side. The micro spatula can be used to sample, transfer or process small amounts of chemicals, powders, granulates, pastes, creams or liquids. The sturdy and convenient centre handle facilitates precise work.

- Individually packed, SteriPlast® additionally gamma-sterilized
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

-14%

Type	Sterile	Length	PK	Cat. No.	Price	Now
		mm			EUR	EUR
LaboPlast®	-	180	100	6.284 545	18,55	15,99
SteriPlast®	+	180	100	6.284 546	45,25	39,07

Sample Preparation

Chemistry Scoop, PP, with rod handle



Suitable for aggressive liquids.
With beaker and PP rod handle.

-20%

Capacity	Stem diam.	Stem	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
250	20	1000	1	9.303 840	56,75	45,30
600	20	1000	1	9.303 842	58,75	46,68
1000	20	1000	1	9.303 844	60,15	47,70

Sampling Lance, stainless steel V4A, acc. to EN ISO 707



Universal powder and granule sample collector made of AISI 316 stainless steel. Developed especially for milk powder samples, conforms to standards of DIN and IDF (Int. Dairy Federation). The collector is inserted into bags or casks and the sample is removed using a semi-circular profile lance.

-23%

Capacity	Length	Imm. depth	PK	Cat. No.	Price	Now
ml	cm	mm			EUR	EUR
150	48	385	1	6.051 629	165,00	126,41

Sampling Scoops, PS, sterile



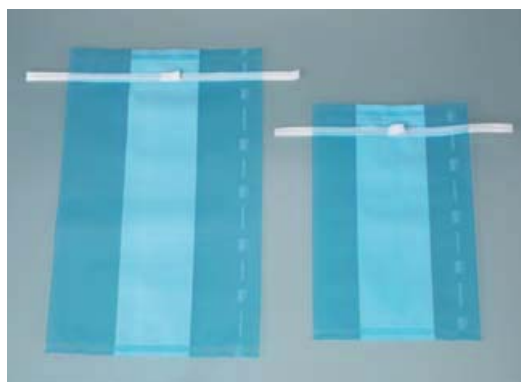
- Individually sealed and sterilised in a polyethylene bag ready for single use and disposal
- Long handle increases the distance between the hand and the sample
- Scoop is suitable for use as weighing boat
- Made from FDA grade materials
- Lot stamped for accurate lot tracing; shipped with a Certificate of Processing for Sterilization

-30%

Type	Capacity	Colour	PK	Cat. No.	Price	Now
	ml				EUR	EUR
Scoop	60	white	50	4.667 578	92,00	64,40
Scoop	125	white	50	4.667 579	118,50	82,95
Scoop	250	white	50	4.667 580	158,00	110,60

Other sampling devices are available on request.

Sample Bags SteriBag blue, PE, sterile



For use in the food, animal feed and pharmaceutical industries. To prevent the danger of foreign matter in production, the sample bags and the tear-off closure are coloured blue. Because of this it is highly visible and can be reliably discovered in a visual control.

- For single use
- Liquid-tight
- Free of RNases, DNases and pyrogens
- With write-on panel
- Suitable for food

-9%

Capacity	Width	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
650	140	229	500	4.665 341	201,00	182,25
1650	178	305	250	4.665 342	146,05	132,42

Cleanroom Wipes Sontara® MicroPure, polyester/cellulose



Engineered for cleanroom use. No binders or chemical treatments are used to manufacture them. The high cleanliness and purity are ensured by a low extractable level and ion content as well as extremely low particle generation by the material itself. The fabric styles offer high particle and liquid absorbency due to their cellulose content.

-30%

Type	Dimensions mm	Cleanroom Class	PK	Cat. No.	Price EUR	Now EUR
MP100	305 x 305	ISO 5 + 6	150	9.390 185	23,60	23,52
MP100	224 x 224	ISO 5 + 6	300	9.390 186	23,40	23,38
AP	305 x 305	ISO 6 - 9	150	9.390 187	24,80	24,36
AP	224 x 224	ISO 6 - 9	300	9.390 188	20,60	20,72
SV	305 x 305	ISO 7 - 9	250	9.390 189	35,70	24,99
SV	224 x 224	ISO 7 - 9	500	9.390 190	43,90	30,73

Sample Bags SteriBag Cleanroom, PE, sterile



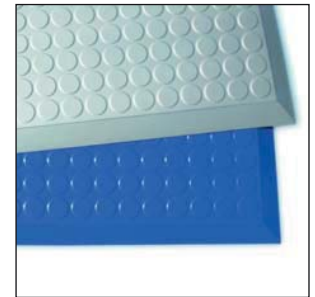
25 sample bags are in a double packaging, which can be removed one after the other and are therefore suitable for transfer into the clean room.

- Transparent
- For single use
- Sterile, double packaged
- Liquid-tight
- Free of RNases, DNases and pyrogens
- With write-on panel

-9%

Nominal capacity ml	Width mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
800.0	114	305	500	4.665 343	325,00	294,68
1650.0	178	305	250	4.665 344	201,50	182,70

Mat Infinity Smooth Deluxe



Polyurethane anti-fatigue mat. Due to its closed surface the Infinity Smooth Mat is very easy to clean and has a very good chemical and UV resistance (except for organic solvents).

- Solid workstation mat with filled nubs
- Dimensions 600 x 900 mm
- Shaped bevelled edges
- Silicone and Latex-free
- Suitable for use in cleanrooms of class ISO 5
- 6 years warranty

-18%

Colour	Height mm	PK	Cat. No.	Price EUR	Now EUR
black	15	1	9.106 368	101,00	82,42
stainless	15	1	9.106 369	101,00	82,42
silver	15	1	9.106 370	101,00	82,42
blue	15	1	9.106 371	101,00	82,42

Undergloves white, polyester or nylon



- The hem on the wrist is overlapped to prevent the edge from fraying
- Exceptionally breathable
- Stretchy and fit perfectly
- Colour Detection on the cuffs
- Carton with 30 x 10 pairs

-30%

Size	Material	Colour	PK	Cat. No.	Price EUR	Now EUR
S	polyester	white	300	4.659 021	147,00	102,90
M	polyester	green	300	4.659 020	147,00	102,90
L	polyester	grey	300	4.659 019	147,00	102,90
XL	polyester	brown	300	4.659 018	147,00	102,90
S	nylon	white	300	4.659 025	196,00	137,20
M	nylon	green	300	4.659 024	196,00	137,20
L	nylon	grey	300	4.659 023	196,00	137,20
XL	nylon	brown	300	4.659 022	196,00	137,20

Round Magnifier



The large plastic lens is fitted with an integrated smaller additional lens.

-30%

Lens	Dimensions	Mag-nification	PK	Cat. No.	Price	Now
mm	mm				EUR	EUR
Ø 48	127 x 59 x 11	2,5-fold/5-fold	1	6.273 732	5,00	3,50
Ø 63	152 x 70 x 12	2-fold/4-fold	1	6.273 733	5,84	4,10
Ø 74	187 x 86 x 17	2-fold/4-fold	1	6.273 734	6,68	4,69

Precision Scale Magnifiers



- Distortion-free image with pinpoint clarity
- Fine focusing via easy-grip focusing ring
- Measuring range 20 mm, 1/10 mm graduation
- Diam. 23 mm
- Housing made from glass fibre reinforced polyamide
- Supplied in a solid plastic box with space for other scales

-16%

Description	Mag-nification	PK	Cat. No.	Price	Now
				EUR	EUR
Magnification	10x / 40,0 dpt	1	9.151 108	86,47	72,45

Precision Linen Testers, plastic



Suitable for inspecting a wide variety of surfaces such as metals, textiles, minerals, varnishes, etc. The wide focusing range enables raised or depressed features (e.g. holes) to be examined in detail.

- Precise focusing with adjustable wheel
- The light can be used when required
- Magnification 30 x, glass lenses

-18%

Description	Mag-nification	PK	Cat. No.	Price	Now
				EUR	EUR
with illumination	30x	1	9.151 594	74,71	61,46

- Linen tester with lateral scale
- Black plastic housing
- Lateral scale with mm graduation

-30%

Lens	Field of view	Height	Mag-nification	PK	Cat. No.	Price	Now
mm	mm	mm				EUR	EUR
diam. 18	20 x 20	35	8x/30dpt	1	6.236 477	45,04	10,57

Cold Light Source KL 1600 LED Packages

SCHOTT
glass made of ideas



- Suitable for Photo Documentations
- Long Lifetime

- Powerful illumination system with a brightness of 680 lm, equivalent to a 150-watt halogen lamp
- Ergonomically placed dimming control
- Ripple free illumination for digital imaging applications
- Color temperature of 5.600 K does not change when the light source is dimmed
- Maintenance free due to long lifetime LEDs of 50.000 hours

Scope of supply:

LED Cold light source KL1600 LED incl. 2-armed gooseneck light guide and 2 focus lenses

Specifications

Colour temperature:	5600 K
Illumination:	680 lm
Dimensions KL 1600 LED (W x D x H):	114 x 231 x 137 mm
Dimensions light guide (Ø x L):	4.5 x 600 mm
Weight:	3.9 kg
Power supply:	100 ... 240 V, 50/60 Hz

-12%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
KL 1600 LED packages, with EU plug	1	4.666 289	902,00	797,37
KL 1600 LED packages, with UK plug	1	4.666 291	904,00	795,52
KL 1600 LED packages, with CH plug	1	4.666 290	904,00	795,52

Light Microscopes Educational-Line OBE

KERN



7.940 489



All-Round Compound Microscope for School, Training and Laboratories



4.657 650

The fully equipped all-round compound microscope for school, training and laboratories.

- Tube 30° inclined, 360° rotatable
- Widefield Eyepiece: WF 10x/18 mm
- Diopter adjustment with binocular and trinocular version (at one eyepiece tube)
- Quadruple nosepiece (forward inclined)
- Achromatic objective 4x, 10x, 40x, 100x (oil immersion)
- Coaxial pre-and fine focussing
- ABBE 1.25 N.A. Condensor focussed with aperture diaphragm
- Dimmable 3 W LED Illumination (also a rechargeable version available) (OBE 113)
- Protective dust cover, eye piece rubber caps, as well as multi-lingual user instructions included
- Different colour filters available as accessories

-22%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
OBE 111	Monocular	1	4.657 650	450,00	351,90
OBE 112	Binocular	1	7.940 489	540,00	422,28
OBE 113	Binocular, incl. batteries, rechargeable	1	4.657 651	610,00	477,02
OBE 114	Trinocular	1	6.285 896	650,00	508,30

DURAN® YOUTILITY Laboratory Bottle system GL 45



- **Safe Handling due to Special Grip Cavities**
- **Closing Easy to Handle and Ergonomic**

- Specially shaped gripping zones
- Compatible with DIN GL 45 closures and other accessories.
- DURAN® borosilicate 3.3 Type 1
- Printed Retrace Code. The corresponding certificates of conformity are available at www.duran-group.com.
- Each DURAN® YOUTILITY bottle is supplied as a complete system with a pouring ring (cyan, polypropylene) and a GL 45 screw cap (cyan, polypropylene).

-18%

Capacity	Colour	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml		mm	mm			EUR	EUR
125	clear	55	124	4	9.071 679	27,44	22,39
250	clear	66	158	4	9.071 678	30,60	24,97
500	clear	78	193	4	9.071 677	38,04	31,04
1000	clear	93	253	4	9.071 676	53,76	43,87

Laboratory Mats, silicone

DEUTSCH & NEUMANN

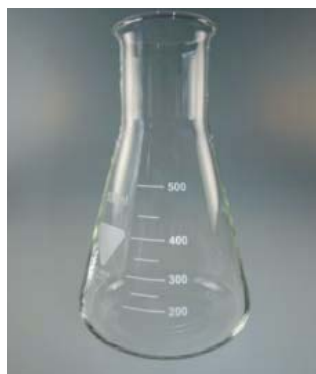


- Non-slip
- Withstands temperatures up to 260 °C

-30%

Colour	Width	Depth	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Red	250	250	1	9.390 090	20,49	14,35
Black	250	250	1	9.390 091	20,49	14,35
Red	350	350	1	9.390 092	23,16	16,21
Black	350	350	1	9.390 093	23,16	16,21

Erlenmeyer Flasks, Borosilicate glass 3.3, wide neck



DIN ISO 24450. With graduations and beaded rim.

-20%

Capacity	Neck diam.	Bottom diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
25	31	43	70	10	9.141 186	32,70	26,16
50	34	51	85	10	9.141 180	17,00	13,60
100	34	64	105	10	9.141 181	14,60	11,68
200	50	79	131	10	9.141 187	22,00	17,60
250	50	85	140	10	9.141 182	15,60	12,48
300	50	87	156	10	9.141 183	18,60	14,88
500	50	105	175	10	9.141 184	21,20	16,96
1000	50	131	220	10	9.141 185	26,40	21,12

Erlenmeyer Flasks, Borosilicate glass 3.3, narrow neck



DIN ISO 1773. With graduations and beaded rim.

-10%

Capacity	Neck diam.	Bottom diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
25	22	42	70	10	9.141 079	27,20	24,48
50	22	51	90	10	9.141 080	18,30	16,47
100	22	64	105	10	9.141 081	13,30	11,97
200	34	79	135	10	9.141 085	14,90	13,41
250	34	85	145	10	9.141 082	14,40	12,96
300	34	87	160	10	9.141 086	17,30	15,57
500	34	105	180	10	9.141 083	18,30	16,47
1000	42	131	220	10	9.141 084	33,80	30,42

Brushes, natural bristle



-30%

Diam.	Length	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
30	270	10	4.667 552	39,60	27,72
63	470	10	4.667 553	78,40	54,88

Power Supply nanoPAC-300 Mini for Gel Electrophoresis Tank



- Usable with Several Systems
- Compact, Small Form
- Alarm Function

The nanoPAC-300 is capable of running all Cleaver Scientific horizontal multiSUB™ systems and vertical omniPAGE mini gel systems.

- Maximum constant current output of 400 mA
- Simple two step feature to set a programmable change in voltage, current and time during the run
- Constant voltage up to 300 V
- Adjustable in 1 V and 1 mA increments
- Two parallel outputs
- Continuous run or timed setting up to 999 minutes
- Automatic safety shutdown
- Alarm function
- Easy-to-clean polycarbonate housing
- 3-digit LED display

-30%

Type	Rating	Supply requirements	PK	Cat. No.	Price	Now
	W				EUR	EUR
nanoPAC-300P Mini	60	300 V / 400 mA	1	6.272 711	506,99	354,90

Agarose for Gel Electrophoresis



AG agaroses are suitable for routine analysis of nucleic acids. They combine tensile strength with low electroosmotic effects to achieve high resolving power for a wide size range of nucleic acid fragments.

Specifications

CAS:	9012-36-6
Appearance:	White to off-white powder
EEO:	≤ 0.13 %
Gelling Point:	36 °C ±1.5°C (1.5 % gel)
Melting Point:	88 °C ±1.5°C (1.5 % gel)
Solubility:	Clear, colourless solution at 1 g in 100 ml water
Moisture:	< 10 %
Gel Strength:	≥ 1200 g/cm ² (1 % gel)
Sulphate:	< 0.20 %
DNase, RNase, Protease, Endonuclease:	None Detected

-30%

Type	Capacity	PK	Cat. No.	Price	Now
	g			EUR	EUR
CSL-AG100	100	1	9.584 695	57,50	40,25
CSL-AG500	500	1	9.584 696	266,50	186,61

Gel Electrophoresis Tank MultiSUB Midi DUO



- High Sample Throughput
- Low Buffer Demand

A maximum of 100 samples per gel can be resolved making this unit ideal for those routinely checking medium numbers of samples over short to medium gel run lengths.

Supplied with:

10 x 7 cm + 10 x 10 cm UV tray, 2 x 16 sample combs.
Each model has additional loading guides and dams.

Specifications

Gel dimensions (W x L):	10 x 7 cm and 10 x 10 cm
Unit dimensions (W x L x H):	22 x 12.5 x 9 cm
Max. sample capacity:	10 x 7 cm tray, 50 samples 10 x 10 cm tray, 100 samples
Buffer volume:	300 ml

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
MultiSUB Midi DUO	1	6.238 115	445,79	312,05

Accessories for Gel Electrophoresis Tank MultiSUB Midi



-30%

Description	Sample volume µl	Thickness mm	PK	Cat. No.	Price	Now
					EUR	EUR
Comb 8 sample	41	1.00	1	9.584 657	35,30	24,71
Comb 10 sample MC	27	1.00	1	9.584 658	35,30	24,71
Comb 12 sample	23	1.00	1	9.584 659	35,30	24,71
Comb 16 sample	16	1.00	1	9.584 660	35,30	24,71
Comb 20 sample	14	1.00	1	9.584 811	35,30	24,71
Comb 25 sample	10	1.00	1	9.584 662	35,30	24,71

MC = Multichannel compatible.

Cell Culture Flasks DURAN® TILT



DURAN® TILT is perfectly designed for making work in biosafety cabinets and clean hoods safer and easier. The TILT bottle has two positions: upright for filter sterilization or storage, and tilted at 45° for pipetting.

- The GL 56 mouth has a 100 % bigger opening than the standard GL 45 mouth for easier pipetting
- The ergonomically shaped GL 56 screw cap is easy to open and close. Made from a non-cytotoxic polymer
- Vacuum resistant glass bottle for the safe filter sterilisation of media
- Tilted volume indicators for convenience
- Manufactured from DURAN® borosilicate 3.3 glass

-18%

Description	Capacity ml	Height with cap mm	PK	Cat. No.	Price EUR	Now EUR
DURAN® TILT	500	151	1	6.270 514	12,80	10,44

Accessories to Cell Culture Flasks DURAN® TILT



-16%

Description	PK	Cat. No.	Price EUR	Now EUR
Screw-cap GL 56, PP, white, with fast thread, for TILT media bottles	10	6.270 522	18,80	15,34
TILT Light Shield, white, silicone, with four GL 56 bottle tags (orange, yellow, blue, purple)	1	6.270 515	5,70	4,87
TILT labels GL 56, self-adhesive for screw-cap, dia.40 mm, PE	60	6.270 521	12,92	10,54

Cell Culture Flasks EasYFlask™, treated, PS/HDPE, sterile

STERILE



With Nunclon™ 'Delta' Coating

Cell culture flasks with modified surface. Certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile.

-29%

Working volume ml	Culture surface cm²	Surface	Cover type	PK	Cat. No.	Price EUR	Now EUR
7	25	Nunclon™	Filter	200	9.390 331	188,00	131,60
7	25	Nunclon™	Vent/Close	200	9.390 330	186,00	136,27
25	75	Nunclon™	Filter	100	9.390 333	157,00	110,16
25	75	Nunclon™	Vent/Close	100	9.390 332	152,00	108,53
55	175	Nunclon™*	Filter	30	7.510 686	84,70	69,09
55	175	Nunclon™*	Vent/Close	30	4.008 552	82,40	59,01
70	225	Nunclon™*	Filter	30	6.236 539	178,00	134,64
70	225	Nunclon™*	Vent/Close	30	4.008 625	150,00	128,17

* Batch no. and cat. no. printed on each flask.

96-well plate Nunc™ Edge 2.0, flat bottom, PS

STERILE



- Reduced Edge Effect virtually eliminates evaporation in lengthy incubations
- Low evaporation permits full-plate results
- Large evaporative buffer zones eliminate well-to-well variability
- Perimeter moat can be filled with 1.7 mL sterile H₂O or media
- Low background fluorescence
- Untreated or cell culture treated hydrophilic surface (Nunclon™ Δ)

Total well volume: 400 µL

-30%

Description	Surface	PK	Cat. No.	Price EUR	Now EUR
with lid	Nunclon™ Δ	50	6.283 122	108,00	75,60
with lid	Non-treated	50	6.283 126	86,40	60,48
without lid	Nunclon™ Δ	50	6.283 125	92,80	64,96
without lid	Non-treated	50	6.283 130	75,60	52,92

Cooling Block Systems, FreezeBox™



- For Easy Sample Cooling
- Modular System

FreezeBox™ is a new, energy-saving, environmentally friendly and safe cooling equipment. The system can be used ice-free, is lightweight, easy to transport and ideal for the collection and storage of biological samples. It can be combined with interchangeable cores and different tube modules. Cooling cores can be tempered in a refrigerator or freezer and inserted into the FreezeBox™. Operation with dry ice, leave out the cooling core and fill with 200 g dry ice instead.

- For use with cooling core, ice or dry ice
- Dimensions (W x D x H): 152 x 170 x 123 mm
- Easy to clean and disinfect
- Suitable for frequent use
- Easy to mount

-5%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
FreezeBox™	with cooling core, -0.5 °C ... 4 °C and CM-01-module	1	4.665 848	189,61	180,13
FreezeBox™	with cooling core, -0.5 °C ... 4 °C and CM-02-module	1	4.665 856	189,61	180,13
FreezeBox™	with cooling core, -0.5 °C ... 4 °C and CM-03-module	1	4.665 857	189,61	180,13
FreezeBox™	with cooling core, -0.5 °C ... 4 °C and CM-04-module	1	4.665 858	189,61	188,23
FreezeBox™	with freeze core, -18 °C ... -4 °C and CM-01-module	1	4.665 859	189,61	180,13
FreezeBox™	with freeze core, -18 °C ... -4 °C and CM-02-module	1	4.665 860	189,61	180,13
FreezeBox™	with freeze core, -18 °C ... -4 °C and CM-03-module	1	4.665 861	189,61	180,13
FreezeBox™	with freeze core, -18 °C ... -4 °C and CM-04-module	1	4.665 862	189,61	188,23
FreezeBox™	Empty FreezeBox™	1	4.665 849	101,00	96,89
Cooling core	for -0.5 °C ... 4 °C	1	4.665 850	31,60	30,02
Freeze core	for -18 °C ... -4 °C	1	4.665 851	31,60	30,02
CM-01-module	for 30 x 2 ml tubes, Ø 12.6	1	4.665 852	72,39	68,77
CM-02-module	for 48 x 1.5 ml tubes, Ø 11	1	4.665 853	72,39	68,77
CM-03-module	for 30 x 5 ml tubes, Ø 13.5	1	4.665 854	72,39	68,77
CM-04-module	for 96 PCR-tubes, Ø 7	1	4.665 855	81,00	76,95

Insert Cap Discs for LLG cryotubes, PP



Cap-disc with star-shaped insert. For colour-coding of cryotubes and quick identification of the samples.



-30%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
blue	1000	9.401 170	26,40	18,48
white	1000	9.401 171	26,40	18,48
yellow	1000	9.401 172	26,40	18,48
pink	1000	9.401 173	26,40	18,48
red	1000	9.401 174	26,40	18,48
green	1000	9.401 175	26,40	18,48

Freezing Aid for Cell Cultures, FreezerCell™



- Safe Freezing of Cells
- Avoiding a Temperature Shock



FreezerCell™ can be used for a variety of cell types, including stem cells, primary cells, cell lines and yeasts. The FreezerCell™ does not require any additives and only needs to be placed in an ultra deep freezer and the cooling runs at -1°C per minute. Fill the freezing aid with the cryotubes and freeze for approx. 3 hours at -80 °C. Then the samples are ready for transfer to a nitrogen tank. This gentle method ensures a high survival rate of the cells during the freezing process.

- No pre-cooling necessary
- Consistent temperature distribution, even with partial loading
- Lid can be opened easily

-5%

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
Hexagon shape for 12 tubes	108 x 108 x 100	1	4.665 863	113,19	107,53
Square shape for 12 tubes	117 x 117 x 100	1	4.665 865	114,60	108,87

LLG-Cryotubes, PP, sterile



STERILE

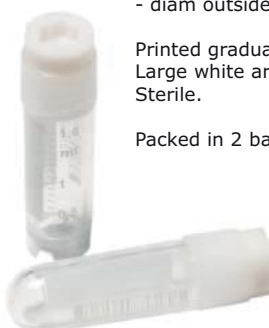


With star-shape in the screw cap, for automated capper/decapper. Temperature resistant down to -196 °C. **Not appropriate for operations in liquid nitrogen.** Bar-code printed on each tube. DNase/RNase free.

- all made from polypropylene
- single-body, single-turn screw cap
- diam outside: 12.6 mm

Printed graduations for accurate measurements. Large white area for writing specimen identification. Sterile.

Packed in 2 bags of 50 tubes.



-30%

Description	Capacity ml	Height mm	Thread	PK	Cat. No.	Price	Now
						EUR	EUR
self-standing	1.2	40.2	external	100	9.401 160	36,40	25,48
self-standing	1.2	40.2	internal	100	9.401 161	36,40	25,48
self-standing	2.0	45.6	external	100	9.401 162	36,40	25,48
self-standing	2.0	48.2	internal	100	9.401 163	36,60	25,62
without ring	2.0	44.5	external	100	9.401 164	36,40	25,48
without ring	2.0	47.0	internal	100	9.401 165	36,40	25,48
self-standing	5.0	87.6	external	100	9.401 166	36,40	25,48
without ring	5.0	89.2	internal	100	9.401 167	36,40	25,48
self-standing	5.0	90.3	internal	100	9.401 168	36,40	25,48

Spark-Free Laboratory Refrigerators and Freezers MediLine



- Explosion Proof
- With Data Memory
- Lockable



9.698 691



9.698 677

Refrigerators and freezers specially designed for the storage of explosive and highly flammable substances. With comfort electronics and spark-free interior. The interiors of the units meet the safety requirements of the EU Directive 94/9/EC (ATEX 95) and are tested by the ATEX conformity assessment body electro-suisse (SEV).

- Precision electronic controller with digital temperature display
- Self-closing door with integrated lock
- Visual and audible temperature and door alarm
- Visual power failure alarm as well as sensor defect alarm
- Integrated data memory with min/max temperatures
- Alarm forwarding to an external remote warning system
- RS 485 Interface for external documentation
- 1-point calibration
- Maximum temperature stability and consistency according to IEC 60068-3
- Access port for an external temperature sensor

Freezers LGex/LCexv

- With static cooling system
- Convenient and comfortable drawers
- Model LCexv 4010 equipped with 2 doors



Type	External dimensions (W x D x H) mm	Temp. range max. °C	PK	Cat. No.	Price EUR	Now EUR
LGex 3410	597 x 615 x 1840	-9 ... -30	1	9.698 691	1.980,00	1.480,65
LCexv 4010	597 x 615 x 2000	+3 ... +16 / -9 ... -30	1	9.698 677	2.430,00	1.822,51

TRACEbro Refrigerator Thermometers



- Visual and Acoustic Alarm
- Large Digital Display



Digital minimum/maximum thermometers for monitoring refrigerator temperatures. Display of the current temperature and the set minimum/maximum limit values.

- Visual and acoustic alarm when limit values are exceeded
- The external temperature sensor is located in a glycol bottle or in a metal capsule, depending on the device.
- With 3-point calibration option
- Incl. factory calibration certificate for -20 and 60 °C

Specifications

Temperature range external sensor:	-50 ... 70 °C
Temperature range internal sensor:	0 ... 50 °C
Resolution:	0.1 °C
Accuracy:	-20 ... 40 °C: ±0.5 °C/±1.0 °C for remaining temperature range
Cable length:	3 m
Housing material:	ABS
Protection class:	IP20
Dimensions (W x D x H):	100 x 23 x 110 mm
Power supply:	1 x AAA



Type	PK	Cat. No.	Price EUR	Now EUR
TRACEbro 310, with internal sensor and external sensor in glycol bottle	1	4.666 540	57,00	50,39
TRACEbro 320, with internal sensor and external sensor in metal capsule	1	4.666 541	53,00	46,64
TRACEbro 410, with 2 external sensors in glycol bottles	1	4.666 542	71,00	62,48
TRACEbro 420, with 2 external sensors in metal capsule	1	4.666 543	63,00	55,44

LLG-Timer with White Board, 4 channel



This four-channel timer has a built-in white board that helps to keep track of time and other critical information.

- Audible alarm for each channel
- Built-in white board and dry erase marker with eraser tip (included)
- Programs: hours/minutes; Displays: hours/minutes/seconds
- Maximum run time: 23 hours: 59 minutes
- Count direction: up/down; displays elapsed time after countdown
- Lay flat on a bench, use the flip-open stand for a vertical view, or use the magnetic back for metal surface attachment
- Requires two AAA batteries (included)
- Individually tested, inspected, and calibrated using NIST
- Includes Certificate of Calibration with unique report number, stated corrections and standard used for the calibration, and multi-language instructions (English, French, German, Italian, Portuguese and Spanish)
- CE mark, RoHS compliant

Dimensions (W x H x D): 114.3 x 88.9 x 25.4 mm

-30%

Type	PK	Cat. No.	Price	Now
LLG Timer with White Board, 4 channel	1	6.266 706	EUR 75,40	EUR 52,78

Electronic Timer Clock



Count down/count up timer with loud alarm signal at end of timed period. With Clock, Stopwatch and Memory functions. Timer up to 24 hours. Fittings: magnet, stand and clip. With battery.

Dimensions (W x D x H): 68 x 53 x 20 mm

-30%

Type	PK	Cat. No.	Price	Now
Electronic Timer Clock	1	9.235 145	EUR 15,92	EUR 11,18

Short Period Timer Timer II



Electronic timer and stopwatch with large display and 10-key settings. Counts up or down from 10 hours to 1 second. With pocket clip, bench stand, magnetic attachment and AAA 1.5 V battery.

Dimensions (W x H x D): 60 x 70 x 25 mm
Weight: 95 g

-30%

Type	PK	Cat. No.	Price	Now
Timer II	1	9.851 027	EUR 11,90	EUR 8,33

Laboratory Short Period Timer - Compact

hanhart
CHRONOGRAPHEN 1882



Countdown/Countup. Digital reading, with alarm and repeat function. 12 hr. clock function. Countdown and countup display: 23 hrs, 59 mins, 59 secs. Battery SR 44 inclusive.

Dimensions (W x H x D): 64 x 60 x 16 mm
Weight: 40 g

-30%

Type	PK	Cat. No.	Price	Now
Compact	1	9.262 071	EUR 27,74	EUR 19,40

Magnetic Stirrer LLG-uniSTIRRER 2



- Compact
- Cost-Efficient
- Suitable for Titration



Compact and cost-efficient magnetic stirrer without heating for volumes up to 1 l. Adjustable speed from 0 to 2000 rpm. Plate diameter 120 mm. Body made of ABS.

Support rod, aluminium (Cat. No. 6.263 435) available as an optional accessory.

Specifications

Stirring quantity (H ₂ O):	1 l
Speed range:	0 ... 2000 rpm
Permissible ambient temperature:	0 ... 50 °C
Permissible relative moisture:	85 %
Material:	ABS case
Dimensions (W x D x H):	150 x 135 x 53 mm
Weight:	0.5 kg
Power supply:	100 ... 230 V, 50/60 Hz
Protection class:	IP 21

-30%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniSTIRRER 2 with EU-plug	1	6.263 430	105,00	73,50
LLG-uniSTIRRER 2 with UK-plug	1	6.263 431	105,00	73,50

Magnetic Stirrer myPlate



- High Chemical Resistance
- Removable Frames for Design with your Own Pictures



IKA Customized

The magnetic stirrer myPlate combines the excellent technical features of the magnetic stirrers colour squid and big squid with the option of creative individualisation. Thanks to the interchangeable frame, the image template provided can be exchanged easily for a personal image.

Specifications

Stirring volume (H ₂ O):	1.5 l
Speed range:	0 ... 2000 rpm
Permissible ambient temperature:	5 ... 40 °C
Permissible relative humidity:	80 %
Material:	Glass
Dimensions Top plate (Ø):	135 mm
Dimensions (W x D x H):	150 x 160 x 30 mm
Weight:	500 g
Supply requirements:	100 ... 240 V
Protection class acc. to DIN EN 60529:	IP 54

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
myPlate	1	4.665 612	299,00	284,65

LLG-Magnetic Stirring Bars, cylindrical, PTFE, eco pack



Circular, smooth and PTFE-coated. Packaging size: 10 pieces

-30%

Diam.	Length	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
6	10	10	9.198 910	12,90	9,03
6	15	10	9.198 919	13,60	9,52
6	20	10	9.198 920	17,50	12,25
6	25	10	9.198 925	18,00	12,60
6	30	10	9.198 930	20,40	14,28
6	35	10	9.198 935	22,50	15,75
8	40	10	9.198 940	23,40	16,38

Platform Shaker Mini-100 Orbital-Genie®



NEW



Benchtop orbital shaker with non-slip, rubber-coated platform and spill-proof edges.

- Variable shaking speed up to 100 rpm
- Also suitable for use in cold rooms and incubators (not CO₂ incubators)
- Also suitable for odd shaped vessels

Scope of delivery: Shaker incl. platform

Specifications

Type of movement:	orbital
Orbit:	19 mm
Speed range:	20 ... 100 rpm
Max. Load:	3 kg
Working temperature:	0 ... 38 °C
Platform dimensions (W x D):	290 x 290 mm
Overall dimensions (W x D x H):	350 x 350 x 85 mm
Net weight:	3.5 kg

-18%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
Mini-100 Orbital-Genie	EU	1	4.667 502	920,00	751,40
Mini-100 Orbital-Genie	UK	1	4.667 503	920,00	754,40
Mini-100 Orbital-Genie	CH	1	4.667 504	920,00	754,40

Orbital Shaker LLG-uniSHAKER 25



- Load Capacity up to 25 kg
- Robust



Powerful, smooth running orbital shaker for **loads up to 25 kg**.

The maintenance free brushless motor and the shaking mechanism with counter weight allow any smooth and stable operation. Digital display for speed and time. Adjustable speed from 50 to 500 rpm, built-in timer from 1 to 99 minutes or continuous mode. Two different platforms (610 x 460 mm or 760 x 460 mm) and 7 clamps for vessels from 25 ml to 2000 ml available. Platforms and clamps must be ordered separately.

- Stable and robust metal housing
- Maximum load capacity 25 kg
- Shaking orbit 25 mm
- Different platforms and clamps available

Specifications

Type of movement:	orbital
Orbit:	25 mm
Speed range:	50 to 500 rpm
Max. Load:	25 kg
Motor:	brushless DC motor
Timer:	0 - 99 minutes, continuous
Power consumption:	250 VA
Permissible ambient temperature:	4 to 75 °C
Dimensions (W x D x H):	600 x 550 x 150 mm
Weight:	48 kg
Power supply:	230 V, 50 Hz

-14%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniSHAKER 25	EU	1	6.263 590	2.270,00	1.963,46
LLG-uniSHAKER 25	UK	1	6.263 599	2.270,00	1.965,40

Accessories for Orbital shaker LLG-uniSHAKER 25

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Universal attachment, 610 x 460 mm	1	6.263 591	420,00	376,99
Universal attachment, 610 x 460 mm, with securing bars	1	6.263 589	530,00	475,73
Universal attachment, 760 x 460 mm	1	6.263 592	575,00	516,12
Clamp, 25 ml	1	6.263 699	26,60	18,62
Clamp, 50 ml	1	6.263 700	26,60	18,62
Clamp, 100 ml	1	6.263 593	25,80	18,06
Clamp, 250 ml	1	6.263 594	34,00	22,33
Clamp, 500 ml	1	6.263 595	44,00	28,70
Clamp, 1000 ml	1	6.263 596	48,60	34,02
Clamp, 2000 ml	1	6.263 597	56,20	39,34
Adhesive rubber mat, blue, 150 x 150 x 3 mm	2	6.263 598	44,00	28,70

-10%



Temperature Measurement

Thermometer Pocket-Digitemp



DOSTMANN electronic GmbH



- HACCP
- Waterproof

Inexpensive, robust temperature measuring device.
The housing is completely waterproof (according to EN 13485).

Range of applications: Food (HACCP), industry and agriculture.

Features: waterproof, Max-Min-Hold function, °C/°F-selectable.

Specifications

Measuring range:	-40 to +200 °C
Resolution:	0.1 °C
Accuracy:	±0.8 °C (at 0 to 100 °C) others 1.5 °C
Dimensions:	150 x 20 x 16 mm
Probe dimensions:	75 x 3.5 mm
Weight:	40 g

-29%

Type	PK	Cat. No.	Price	Now
Pocket-Digitemp	1	9.851 029	EUR 17,80	EUR 12,65

LLG-Min/Max Thermometer with outdoor sensor



Digital thermometer with outdoor sensor.

- Two-tier LCD display
- Measuring temperature range -50 to +70 °C
- Display resolution 0.1 °C, Accuracy ±1 °C
- Dimensions 110 x 70 x 20 mm
- AAA 1.5V battery included
- Length of the cable 190 cm

-30%

Type	PK	Cat. No.	Price	Now
LLG Min/Max Thermometer with outdoor sensor	1	9.243 165	EUR 12,50	EUR 8,75

Combination Infrared and Penetration Thermometer TLC 750i



-ebro-
a xylem brand



- HACCP
- Illuminated Display
- Waterproof

Waterproof infrared thermometer with retractable penetration probe.
For incoming goods, production and storage. Conform to HACCP and DIN EN 13485. With battery and factory calibration certificate.

- Display with backlight for reading in dark environments
- Display can be upside down for reading from both sides
- Double laser pointer

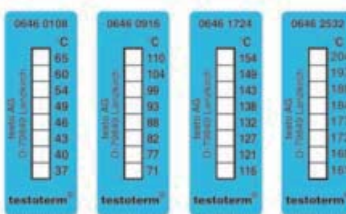
Specifications

Measurement range:	-50 to +250 °C
Resolution:	0.1 °C
Operating temperature:	-25 to +50 °C
Dimensions (L x W x H):	169.5 x 44 x 23 mm
Weight:	approx. 140 g
Battery:	2 x AAA (Micro), replaceable
Deactivation:	automatically after 15 sec., deactivatable
Protection class:	IP 65

-12%

Type	PK	Cat. No.	Price	Now
TLC 750i	1	6.289 927	EUR 109,00	EUR 96,36

8-step Irreversible Temperature Strips testoterm®



Strips for 8 temperatures. Each strip measures 50 x 18 mm.

-18%

Measuring range	PK	Cat. No.	Price	Now
°C			EUR	EUR
+37 ... +65	10	9.246 002	23,00	18,94
+71 ... +110	10	9.246 003	23,00	18,94
+116 ... +154	10	9.246 004	23,00	18,94
+161 ... +204	10	9.246 005	23,00	18,94

Digital Water Baths



Universal water baths

- Color TFT display with control panel
- Calibration offset feature
- Low liquid alarm
- Over temperature alarm
- 5 user programmable pre-sets (temperature and duration)
- 5 languages (English, German, French, Spanish and Chinese)
- Integrated independent timer
- Eco-mode
- Safety thermostat
- Includes high-gabled, clear lid to accommodate taller media bottles
- Rear-mounted drain (10, 20 and 28 liters)
- Recessed Handles



- 5 selectable Programs
- 5 Languages
- Alarm Functions



-30%

Specifications:

Temperature range:	Ambient +5 ... 100 °C
Temperature uniformity:	±0.2 °C
Temperature stability:	±0.1 °C
Power supply:	120/240 V/50/60 Hz

Type	Capacity of the bath litres	External dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
WBE02A12E	2	305 x 229 x 267	1	6.274 985	789,00	552,30
WBE05A12E	5	305 x 368 x 267	1	6.274 986	858,00	600,60
WBE10A12E	10	432 x 393 x 305	1	6.274 987	937,00	655,90
WBE20A12E	20	445 x 572 x 305	1	6.274 988	1.081,00	756,70
WBE28A12E	28	445 x 572 x 356	1	6.274 989	1.132,00	792,40

LLG Floating Pellets, PP

Pellets with 20 mm diameter. Can cover 0.1 m².
Protect against evaporation and rapid temperature loss.
Decreases hazardous vapors. Resistant against most acids, bases, solvents and mineral oils. Temperature is stable up to +100 °C.



-30%



Description	PK	Cat. No.	Price EUR	Now EUR
Floating pellets	250	6.266 611	32,00	22,40

Hotplates, analogue, Stuart CB300 and CB500



- Large Heating Plate
- Simple Handling
- Temperature Warning Light

Energy regulator control with glass ceramic top plate and 'hot' warning lamp which illuminates when the plate temperature exceeds 50 °C. For 230 V 50/60 Hz single phase supplies. With BioCote, silver-based, antimicrobial protection. Maximum temperature as indicated.

-18%

Type	Internal dimensions (W x D x H) mm	Hot-plate mm	Rating W	Max. temp. °C	PK	Cat. No.	Price EUR	Now EUR
CB300	320 x 370 x 120	300 x 300	1200	450	1	9.645 338	680,00	560,43
CB500	520 x 360 x 130	500 x 300	2250	375	1	9.645 316	880,00	725,26

Hand Brush, PP



- Soft bristles
- For color coding
- Autoclavable

-21%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
green	1	4.666 176	7,54	5,96
blue	1	4.666 177	7,54	5,96
red	1	4.666 178	7,54	5,96
white	1	4.666 179	7,54	5,96
yellow	1	4.666 180	7,54	5,96

Ultra Hygienic Handle



- Polypropylene, Glass reinforced
- Cold shock and strength tested
- Easy to clean and dry
- Chemical resistant
- Smooth surface finish
- Length: 1.50 m
- Autoclavable

-21%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
green	1	4.666 246	16,78	13,26
blue	1	4.666 247	16,78	13,26
red	1	4.666 248	16,78	13,26
white	1	4.666 249	16,78	13,26
yellow	1	4.666 250	16,78	13,26

Dustpan, PP



- Ergonomically designed
- Thick wall for strength, durability and ease of cleaning
- Autoclavable

-21%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
green	1	4.666 171	8,92	7,05
blue	1	4.666 172	8,92	7,05
red	1	4.666 173	8,92	7,05
white	1	4.666 174	8,92	7,05
yellow	1	4.666 175	8,92	7,05

Broom, PP, Polyester, Stainless Steel



- Soft bristles
- For color coding
- Autoclavable

-21%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
green	1	4.666 181	22,31	17,62
blue	1	4.666 182	22,31	17,62
red	1	4.666 183	22,31	17,62
white	1	4.666 184	22,31	17,62
yellow	1	4.666 185	22,31	17,62

Wall Bracket, Polypropylene, TPE Rubber



-21%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
green	1	4.666 261	13,35	10,58
blue	1	4.666 262	13,35	10,55
red	1	4.666 263	13,35	10,55
white	1	4.666 264	13,35	10,55
yellow	1	4.666 265	13,35	10,55



Improve hygiene and extend equipment shelf-life with this add-on bracket. You can mix rubber clips and hooks, and easily remove the for cleaning. Rubber clips can hold products with diameters of 25 to 35 mm.
For 1 - 3 products.
Autoclavable.

Scope of supply:

2 hooks, 1 rubber holder, 8 individual pins for attaching the brackets/hooks, 1 double pin, to connect the wall brackets

Ultrasonic Bath Sonorex Digitec DT 510 Set

BANDELIN


- Time Remaining Display
- For fast Degassing and Homogenisation


COMPLETE SET

Example



Flat ultrasonic bath for rapid degassing and sample preparation. Complete set incl. slightly alkaline cleaning concentrate, stainless steel glass holder and holding clamps for flasks. Also suitable for general cleaning tasks, e.g. sieves and parts made of glass, metal, ceramics, plastic and rubber.

- Fast screwing of the mounting clamps into the glass holder
- For rapid degassing and homogenization of samples
- Flat vibratory trough with high power density
- Reproducible results
- Uniform sonication of samples irrespective of size and arrangement of the flask

Supplied holding clamps:

- EK 10 for 10 ml flask, Ø 23 - 31 mm
- EK 25 for 25 ml flask, Ø 30 - 42 mm
- EK 50 for 50 ml flask, Ø 35 - 52 mm
- EK 100 for 100 ml flask, Ø 40 - 65 mm

Scope of delivery: Ultrasonic bath SONOREX DIGITEC DT 510 F, glass holder GL 510 F, 4 clamps for flasks, 1 litre cleaning concentrate TICKOPUR R 33

-21%

Type	Capacity of the bath	Internal dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
DT 510 Set	litres 4.30	240 x 300 x 65	1	4.667 535	EUR 1,261,00	EUR 996,19

LLG-Safety Eyeshields *classic light*



- CE approved to EN166 and EN170
- Integrated side-lenses with vents, 180° field of vision
- Frame made of tested hypo-allergenic material
- Side arms adjustable in length
- 100 % UV protection (up to 380 nm)
- Weight: 29 g only

-30%

Colour	Lens	PK	Cat. No.	Price	Now
light blue	clear, AF, AS, 2C-1.2 U 1 FT CE	1	9.006 011	EUR 7,90	EUR 5,46

Eye-Wash Bottle, Barikos KS



Containing water, they can be kept ready for use for at least two years when sealed. With EN 15154-4. A protective cover clips onto the spray head of the eye wash bottle thus preventing any leakage.

- Filled eyewash bottle, ph-neutral eyewash on water basis without chemical additives
- Ergonomically shaped eye recess

-11%

Description	PK	Cat. No.	Price	Now
Barikos KS, 620 ml, filled	1	9.005 009	EUR 17,55	EUR 15,57

Overgoggles uvex super OTG



- Excellent wearing properties
- Excellent Eyebrow Cover
- Excellent comfort even with prescription glasses

Coating of the lens

1. uvex supravision sapphire: excellent scratch and chemical resistance, 100 % UV protection
2. uvex supravision excellence: excellent scratch and chemical resistance and easy to clean (nano clean hybrid)
Lens: PC transparent/UV 2-1.2

-30%

Type	Colour	Coating	PK	Cat. No.	Price	Now
super OTG	blue	2	1	6.234 320	EUR 27,06	EUR 18,97
super OTG	blue	1	1	7.650 112	EUR 24,86	EUR 17,43
super f OTG	black	1	1	6.252 619	EUR 25,52	EUR 19,74

Particle-Filtering Folding Mask silv-Air



Smooth Edges for great Wearing Comfort



- Individually packed
- Color: white
- With exhale valve
- Certified FFP1 face mask to EN 149 and EU Directive 89/686/EEC
- D label (dolomite dust test passed): maximum breathability even with really high dust levels
- Flexible and adjustable nose clip
- Soft sealing lip guarantees a secure, comfortable sealed position of the mask
- Soft material edges for high wearing comfort

-30%

Type	Protection-level	Colour coding	PK	Cat. No.	Price	Now
5110	FFP1	blue	15	4.664 620	EUR 43,31	EUR 30,38
5210	FFP2	orange	15	4.664 621	EUR 56,31	EUR 39,48
5310	FFP3	black	15	4.664 622	EUR 109,73	EUR 76,86

LLG-Disposable Gloves, standard, Nitrile

EN 374 EN 374 EN 420



- Comfortable to wear
 - Good tactile sensitivity
 - Tried and tested quality product made of nitrile - excellent resistance to skin irritants in foodstuffs
 - Free from phthalates/softeners and allergenic latex proteins
 - Suitable for areas subject to HACCP standards
 - **Cat. III Low Chemical resistant. AQL 1.5.**
- According to ASTM F 1671 (ISO 16604) for protection against viral penetration.
- According to EN 420, EN 455, EN 374-2: specified, EN 374-3: Class 6 Sodium Hydroxide 40%. Suitable for food handling.**



Glove shape: flat with rolled edge
 Outside: textured
 Inside: powder-free halogenated
 Size/total length: S, M, L, XL/med. 240 mm
 Thickness (measured in double layer): **0.16 mm**

-30%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
S	100	9.006 375	17,00	11,90
M	100	9.006 376	17,00	11,90
L	100	9.006 377	17,00	11,90
XL	90	9.006 378	17,00	11,90

Disposable Gloves Pearl, Nitrile

EN 374 EN 374



- With rolling edges
- Micro-roughened finger tips
- Latex-free

Manufactured by EN 455, T. 1-3, AQL 1.5, CE.
 Suitable for handling food. Supplied in dispenser box containing 100 gloves.
Cat. III Low Chemical resistant

-30%

Type	Size	Colour	PK	Cat. No.	Price	Now
					EUR	EUR
COBALT PEARL	S	cobalt blue	10x100	6.290 799	80,40	56,28
COBALT PEARL	M	cobalt blue	10x100	6.290 800	80,40	56,28
COBALT PEARL	L	cobalt blue	10x100	6.290 801	80,40	56,28
COBALT PEARL	XL	cobalt blue	10x100	6.290 802	80,40	56,28
BLACK PEARL	S	black	10x100	6.290 804	80,40	56,28
BLACK PEARL	M	black	10x100	6.290 805	80,40	56,28
BLACK PEARL	L	black	10x100	6.290 806	80,40	56,28
BLACK PEARL	XL	black	10x100	6.290 807	80,40	56,28
OPAL PEARL	S	turquoise	10x100	6.290 809	80,40	56,28
OPAL PEARL	M	turquoise	10x100	6.290 810	80,40	56,28
OPAL PEARL	L	turquoise	10x100	6.290 811	80,40	56,28
VIOLET PEARL	S	violet	10x100	6.290 813	80,40	56,28
VIOLET PEARL	M	violet	10x100	6.290 814	80,40	56,28
VIOLET PEARL	L	violet	10x100	6.290 815	80,40	56,28
VIOLET PEARL	XL	violet	10x100	6.290 816	80,40	56,28
PINK PEARL	S	pink	10x100	6.290 818	80,40	56,28
PINK PEARL	M	pink	10x100	6.290 819	80,40	56,28
PINK PEARL	L	pink	10x100	6.290 820	80,40	56,28
MINT PEARL	S	mint	10x100	6.290 822	80,40	56,28
MINT PEARL	M	mint	10x100	6.290 823	80,40	56,28
MINT PEARL	L	mint	10x100	6.290 824	80,40	56,28
MINT PEARL	XL	mint	10x100	6.290 825	80,40	56,28
RED PEARL	S	red	10x100	6.290 831	80,40	56,28
RED PEARL	M	red	10x100	6.290 832	80,40	56,28
RED PEARL	L	red	10x100	6.290 833	80,40	56,28
RED PEARL	XL	red	10x100	6.290 834	80,40	56,28

Disposable Gloves KIMTECH SCIENCE*PFE, Latex

EN 374 EN 374



Exceptional Workplaces



Fully textured surface for good grip, even in wet laboratory conditions.

- With rolled edge
- Classified by EC Council Directive 89/686/EWG. It is tested in accordance with the EN Norms EN 420:2003. **Cat. III Low Chemical resistant.**
- Meets AQL of 1.5.
- Manufactured in accordance with Quality System ISO 9001.

-26%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
S (6 to 7)	240	100	9.005 406	19,20	14,14
M (7 to 8)	240	100	9.005 407	19,20	14,14
L (8 to 9)	250	100	9.005 408	19,20	14,14
XL (9 to 10)	250	90	9.005 409	19,20	14,14

Grinding Mill, A11 basic



- Suitable for Use with Dry Ice and Liquid Nitrogen
- For Two Grinding Methods

Batch mill for 2 different grinding procedures:
Impact grinding of hard, brittle or non-elastic grinding materials with high-grade stainless steel beater. This beater can be used for a Mohs hardness up to 6 (incl. with delivery). Cutting and grinding for pulverizing soft, fibrous materials with a cutting blade (not incl. with delivery).

- Moist and gluey materials can be pulverized by adding water
- Grinding chamber made of Tefcel (PTFE, glass fibre-reinforced) with stainless steel inlet (1.4571), useful volume of 80ml (incl. with delivery). For embrittlement of grinding materials with liquid nitrogen in the grinding chamber

Specifications

Motor rating input/output:	160/100 W
Speed:	28000 rpm (off load)
Chamber vol.:	80 ml
Power-on time ON/OFF:	1/10 min
Auto power off:	yes
Tangential speed:	53 m/sec.
Max. sample granule size:	10 mm
Dimensions (W x D x H):	85 x 85 x 240 mm
Weight:	1.5 kg
Protection class DIN EN 60529:	IP 43
Supply requirements:	230 V 50/60 Hz
Tested to DIN EN IEC 61010-1.	

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
A 11 basic, with EU-plug	1	9.737 801	2.099,00	1.998,25
A 11 basic, with UK-plug	1	6.202 305	2.099,00	1.998,25
A 11 basic, with CH-plug	1	4.008 002	2.099,00	1.998,25

Accessories please order separately.

Mortars and Pestles, Agate



Agate. Polished. Standard quality.
Other sizes available on request.

-9%

Capacity	Ext. diam.	Int. diam.	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
10	50	40	1	9.164 050	40,74	37,18
25	75	60	1	9.164 075	62,55	57,08
50	100	85	1	9.164 100	148,58	135,61

LLG-Sample Containers, PS/PP, with tamper-evident cap, HDPE/PP



White with tamper-evident cap.
Multi-purpose containers e.g. for storage or transport of samples.

-30%

Nominal capacity	Ø with Cover	Height	Material	Material Lid	PK	Cat. No.	Price	Now
ml	mm	mm					EUR	EUR
40.0	36.00	52.00	PS	LDPE	10	9.402 350	11,40	7,98
100.0	58.00	58.00	PP	PP	10	9.402 353	12,70	9,59
250.0	64.00	95.00	PS	LDPE	10	9.402 356	17,90	12,53
1000.0	116.00	116.00	PP	PP	5	9.402 359	20,80	14,56

Digital Anemometer



- Automatic Turn-Off
- Illuminated LCD Display



For the measurement of wind speed (in m/s, km/h, mph, knots, ft/min), maximum and average wind speed, indication of temperature (in °C or °F). LCD backlight display. Auto/Manual power off. Useful for the functional check of fume hoods and safety cabinets.

Wind speed range: 0 to 30 m/s
Resolution: 0.1 m/s
Accuracy: ±5 %
Temperature range: -10 ... +45 °C (-14 ... + 113 °F)
Power supply: 3 V CR2032 (included)

-30%

Height	Width	Depth	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
104	58	19	1	6.264 198	39,00	27,30

Test Strips Chem-QUANT®



6.286 811

- Reliable and precise
- Non-bleeding
- Easy and quick analysis
- Made in Europe

-30%

For	Measuring range	PK	Cat. No.	Price	Now
				EUR	EUR
Carbonate Hardness 30	0 - 5 - 10 - 15 - 20 - 30 °d	100	6.286 811	19,00	13,30
Chlorine 20	0 - 1 - 3 - 5 - 20 mg/l	100	6.286 812	19,00	13,30
Chlorine 1000	0 - 50 - 100 - 250 - 500 - 1000 mg/l	100	6.286 813	19,00	13,30
Glucose 2000	0 - 100 - 250 - 500 - 1000 - 2000 mg /dl	100	6.286 815	19,00	13,30
Peracetic Acid 50	0 - 5 - 10 - 20 - 30 - 50 mg/l	100	6.286 818	19,00	13,30
Peroxide 25	0 - 0.5 - 2 - 5 - 10 - 25 mg/l	100	6.286 820	19,00	13,30
QAC 25-1000	0 - 25 - 50 - 100 - 250 - 500 - 1000 mg/l	100	6.286 823	19,00	13,30
(Benzalkonium chloride)					

COD Measuring Station, AL200 COD Vario



- With Memory Function
- Automatic Turn-Off



According to ISO 15705. For fast exact CSB determination. Included in the measuring station are the photometer for CSB determination, 25 cuvette tests each of the lower two measuring ranges, a reactor for digesting the samples and a cuvette stand.

Scope of supply: Instrument in carrying case, 4 batteries (AA), adapter for round vials diam. 16 mm, 2 sets of tube tests 0-150 mg/l and 0-1500 mg/l, thermoreactor RD125, tube stand, 2 syringes, instruction manual.

Specifications

Range: 0 to 15.000 mg/L
Measurement cycle: approx. 3 seconds (method dependent)
Display: LCD readout
Optics: High-quality Interference Filters
Power: 4 batteries (AA) capacity approx. 53 hours or 15000 tests (continuous operation with backlit switched off)
Overall W x D x H: 190 x 110 x 55 mm
Storage: 16 data sets
Interface: internal interface for test data transfer

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
COD measuring station AL200 COD Vario	1	9.920 205	1.365,00	1.299,48
AL200 COD Vario(photometer only)	1	9.950 531	477,00	454,10

Air Flow Tester



In many fields, such as mining or industry, it is very important to detect even the smallest air flows, in order to quickly and reliably evaluate the possible diffusion of dangerous substances. With the air flow test tubes, the source, direction and speed of the air flow are visible immediately.

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Set with blower ball and 10 flow test tubes	1	6.054 581	76,60	68,94
Flow test tubes	10	6.076 362	43,60	39,24

Conductivity Meter CON150



Thermo
SCIENTIFIC



- **Saves 150 Measurements**
- **Acoustic Calibration Information**
- **Three-row LCD Display**

Best value for a waterproof conductivity meter.

- Large, three line LCD, view conductivity or TDS measurement with temperature as well as cell efficiency
- Built-in memory function, stores up to 150 measurements along with temperature
- Adjustable temperature coefficient, set to 0.0 % to meet USP methods for non-compensated measurements
- Acoustic indication of necessary recalibration
- Ready indicator, manual or automatic measurement hold feature and optional automatic shut-off function
- Adjustable conductivity-to-TDS conversion factor, from 0.4 to 1.0

Scope of supply: Meter, conductivity cell (K =1.0), Grip Clip™, 2 x AA batteries, hard carry case, calibration solutions (1 x 1413 µS, 12.88 mS, 84 µS KCL Standard Solutions and 1 x Deionised (Rinse) Water, 60 ml each).

Specifications

Conductivity range:	0 ... 200 mS
Resolution:	0.01 µS ... 0.1 mS
Accuracy:	±1 % full scale
Conductivity calibration:	Auto/manual, 1 point per range
TDS range:	0 ... 200000 ppm (TDS factor 1.0)
Resolution:	0.01 ppm ... 100 ppm
Accuracy:	±1 % full scale
TDS calibration:	Manual, 1 point per range
Temperature range:	-10.0 ... +110.0 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C
Dimensions (W x L x H):	83 x 200 x 57 mm
Weight:	500 g
Power supply:	Incl. 2 x AA batteries, AC adapter (optional)
Protection class:	IP67
Warranty:	3 years on the meter

-25%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
CON150	1	6.284 907	428,00	320,14

pH/mV/°C Meter pH6+



Thermo
SCIENTIFIC



- **Automatic Buffer Recognition**
- **Suitable for Field Use**
- **Automatic Turn-Off**

The pH6+ meter offers the best price/performance ratio for basic pH measurements. pH, temperature and mV/ORP. Robust and user-friendly, the meter has a rubber cover for field protection.

- High pH accuracy of ±0.01
- 3-point-calibration with auto-buffer recognition
- Automatic temperature compensation (ATC)
- Easy-To-Read Display
- Auto off

Scope of delivery: Meter with Rubber Armour/Stand and plastic carrying case

Specifications

pH range:	0.00 to 14.00 pH
Resolution:	0.01 pH
Accuracy:	±0.01 pH
pH calibration points:	1 to 3 points
mV range:	±1000 mV
Accuracy:	±0.2 mV
Temperature range:	0.0 to 100.0 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C
Dimensions (W x L x H):	85 x 157 x 42 mm
Weight:	255 g
Power supply:	4 x 1.5 V AAA alkaline batteries, >200 h
Protection class:	IP54
Warranty:	3 years on the meter

-25%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
pH6+	with single junction pH electrode, ATC probe	1	6.240 654	393,00	293,96

LLG-Indicator Paper



For pH determination.

-30%

Range	Package contents	PK	Cat. No.	Price	Now
				EUR	EUR
pH				82,00	57,40
0 - 14	100 sticks per pack	10x100	4.667 571	82,00	57,40
1 - 11	Dispensing reel with 1 roll	10	4.667 572	54,00	37,80
1 - 14	Dispensing reel with 1 roll	10	4.667 570	54,00	37,80

Digital Hand-held Refractometer LLG-uniREFRACTO 1 and 2



- 2-Scale Brix/RI
- 2 Measuring Ranges



LLG-uniREFRACTO 1 and 2 are compact digital **2-scale** hand refractometers for measuring the sugar content and refractive index of liquids. Easy switch from **Brix to RI scale**.

Calibrate simply with distilled water. Easy to clean under running water due to waterproof housing (IP 65). Automatic temperature correction and sample plate made of stainless steel, on both models.

Two models with different measuring ranges are available:
LLG-uniREFRACTO 1 from 0 - 54 % Brix and 1.33 - 1.42 RI
LLG-uniREFRACTO 2 from 0 - 95 % Brix and 1.33 - 1.54 RI

Specifications

Resolution:	0.1 % Brix/0.0001 RI
Accuracy:	±0.2 % Brix/±0.0003 RI
Operating temperature:	5 to 40 °C
Measuring temperature:	5 to 60 °C
Rel. Humidity:	<95 %
Protection class:	IP 65

-29%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniREFRACTO 1	1	6.263 630	225,00	159,12
LLG-uniREFRACTO 2	1	6.263 631	269,00	270,50

Manual Hand-held Refractometers



Precision instrument for quick daily use.

-5%

Type	Measuring range	Accuracy	PK	Cat. No.	Price	Now
					EUR	EUR
HRT32	0 ... 32 % Brix	0.2 % Brix	1	9.801 142	99,00	94,25

Density Meters Densito



- For Mobile Analysis
- With Limit Value Setting
- Stores 1100 Measurements



Robust density meters for mobile use with easy handling and user guidance. Ideal for rapid and accurate routine measurements in quality assurance, incoming and outgoing goods inspection.

- Automatic sampling pump
- Available measurement scales: API, °Baumé, Brix, density, Ethanol, H₂SO₄, proof (US and IP), °Plato, specific gravity, user-defined concentration
- Automatic temperature compensation
- Memory for up to 1100 results
- Backlit measuring cell
- Adjustable limits with customisable colours in the display
- Bright display with good readability



Specifications

Density range:	0...3 g/cm ³
Resolution:	0.0001 g/cm ³
Accuracy:	±0.001 g/cm ³
Sample temperature range:	0...50 °C
Resolution:	0.1 °C
Accuracy:	±0.2 °C
Sample volume:	2 ml
Memory:	1100 samples
Display:	2.4" colour display, backlit
Interfaces:	USB-A, USB-C
Power supply:	Removable and rechargeable Li-Ion batteries

-8%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Densito	1	6.291 652	2.339,00	2.163,11

Sucrose (Brix) Standards



Certified stabilized Sucrose (Brix) Standards.

- ISO17025 accredited
- Uncertainty of measurement of 0.11 % for all Brix values @ 20 °C
- Equivalent nominal Refractive Index values from ICUMSA published tables reported on Certificate of Analysis
- Compatible with any brand of Refractometer
- 12 month shelf life
- Provided in high quality HDPE 15 ml dropper bottles.

-5%

Brix %	Refractive Index at 20 °C	PK	Cat. No.	Price	Now
				EUR	EUR
5	1.340264nD	1	6.265 876	56,55	53,72
10	1.347824nD	1	6.257 923	56,55	53,72
15	1.355679nD	1	6.263 260	56,55	53,72
40	1.399860nD	1	7.660 408	56,55	53,72
60	1.441928nD	1	6.265 875	56,55	53,72

LABORTOPS

Magnetic Stirrer AREX-6 Connect PRO

Magnetic stirrer with ceramic-coated aluminium heating plate, timer and PT100. With **WiFi connection** to the VELP Ermes Cloud Platform for uploading, managing, monitoring and exchanging results and parameters. Access possible via PC, Smartphone and Tablet.

Overtemperature protection, adjustable temperature limitation, warning in case of hot surface, protection against unattended heating as well as alarm and switch-off function if the temperature sensor is not immersed in the medium.

- Powerful, brushless motor
- Torque compensation to keep the speed constant even on viscosity changes
- Reverse of stirring direction
- Chemical- and scratch-resistant heating plate
- Temperature control via software with maximum accuracy up to 370 °C
- Clear display of all parameters
- 3 years warranty

Scope of delivery AREX-6 Connect PRO:

Magnetic stirrer AREX-6 Connect PRO,
PT100 temperature sensor

Scope of delivery AREX-6 Connect PRO Set:

Magnetic stirrer AREX-6 Connect PRO,
PT100 temperature sensor,
support rod

Specifications

Max. stirring quantity (H ₂ O):	20 l
Motor rating:	630 W
Speed range:	30 ... 1700 rpm
Speed accuracy:	5 min rpm
Temperature range:	RT ... 370 °C
Temperature accuracy:	±1 °C
Set-up plate material:	Aluminium, ceramic coated
Ø set-up plate:	135 mm
Ambient temperature range:	5 ... 40 °C
Dimensions (W x D x H):	160 x 280 x 105 mm
Weight:	2.6 kg
Protection class:	IP42
Power supply:	230 V, 50/60 Hz



- **Monitoring via WIFI with Tablet or Smartphone**
- **Programmable Temperature Limits**
- **Warning of Residual Heat**



-10%

Type	Plug type	PK	Cat. No.	Price	Now
AREX-6 Connect PRO	EU	1	4.666 720	EUR 625,00	EUR 562,28
AREX-6 Connect PRO Set	EU	1	4.666 733	667,00	600,06