

LABORTOPS

valid until 30.06.2020



LLG-uniPERIPUMP 1 and 3



NEW



**Space-Saving
and Robust
Peristaltic Pumps**

Funnels / Peristaltic Pump
Occupational Safety
Liquid Handling
Laboratory furniture / Analytical Measurements
Heating und Cooling
Genomics / Microbiology
Spectroscopy / Cell Culture
Microscopy / Volumetrics

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4-5
6-7
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16-17

General Lab Products / Sampling
Chromatography
Cleaning / Sterilisation
Stirring
Temperature Measurement and Control
Titration / Centrifugation
Shaking
Vacuum Technology

18-19
20-21
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Funnels

LLG-Funnel, borosilicate glass 3.3



With short stem. Cone angle of 60°. Standard borosilicate funnels with excellent heat resistance. Autoclavable.

-30%

Funnel diam. mm	Shaft diam. mm	For filter paper diam. mm	Overall length mm	PK	Cat. No.	Price EUR	Now EUR
40	6	55 - 70	70	1	9.251 200	8,20	5,74
60	8	70 - 90	100	1	9.251 201	10,60	7,42
80	8	125 - 150	140	1	9.251 202	11,80	8,26
100*	10	150 - 185	180	1	9.251 203	12,70	8,89
125*	16	185 - 240	210	1	9.251 204	16,50	11,55
150*	16	240 - 270	250	1	9.251 205	18,90	13,23

* according to DIN ISO 4798

LLG-Funnels, PP



Made of clear, virgin polypropylene, autoclavable at 121 °C and 1.1 bar for 30 minutes.

-30%

Funnel diam. mm	Shaft diam. mm	For filter paper diam. mm	Stem length mm	PK	Cat. No.	Price EUR	Now EUR
40	6	55 - 70	40	10	9.251 185	6,70	4,69
60	8	70 - 90	60	10	9.251 186	10,50	7,35
80	8	125 - 150	80	10	9.251 187	14,50	10,15
100	10	150 - 185	100	10	9.251 188	19,00	13,30
120	16	185 - 240	120	10	9.251 189	25,40	17,78
150	16	240 - 270	150	10	9.251 190	32,50	22,75

LLG-Funnel Holder, stainless steel, with boss head



These funnel holders are suitable to hold all types of funnels with a diameter up to 150 mm. They can also accommodate separating funnels (up to 1000 ml). With or without boss head.

-30%

Diam. mm	PK	Cat. No.	Price EUR	Now EUR
40	1	9.251 554	8,30	5,81
60	1	9.251 555	9,00	6,30
80	1	9.251 556	9,70	6,79
100	1	9.251 557	10,10	7,07

Powder Funnels, DURAN®



With short, wide stem.

-26%

Funnel diam. mm	Stem diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
70	22	72	1	7.021 151	12,00	8,87
80	24	79	1	7.021 152	13,60	10,04
100	26	94	1	7.021 153	15,60	11,56
120	34	105	1	9.251 323	21,50	16,25

Funnels, stainless steel Remanit® 4301



With filling vent and handle.

-30%

Funnel diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
100	125	1	4.661 801	13,00	9,10
150	180	1	4.661 836	21,20	14,84
200	210	1	4.661 835	27,70	19,39
240	270	1	4.661 834	37,40	26,18

Barrel Funnels, PP



Transparent. Rapid flow due to a steep 60° angle. Practical handle for hanging. Food-safe products according to regulation (EU) No. 10/2011.

-30%

Funnel diam. mm	Stem diam. mm	Length* mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
200	22	90	200	1	9.251 640	6,20	4,34
250	30	100	260	1	9.251 645	10,60	7,42
350	35	170	440	1	9.251 650	22,40	15,68

* Stem length (mm)

Peristaltic Pump LLG-uniPERIPUMP 1

! Easily Exchangeable Pump Heads



The extra compact peristaltic pump. Ideal for continuous dosing applications. Space-saving, robust and with a wide range of easily exchangeable pump heads.

- Stable flow rates
- **Compact design**
- Reversible working direction
- Pump heads easily exchangeable
- Various pump heads with different hose diameters available as accessory
- Low power consumption
- Corrosion-resistant ABS housing
- OLED display for indication of speed and working direction

Scope of supply: Pump, pump head, PharMed® hose with connection 3 x 1 mm

Specifications

Speed range:	0.1 ... 150 min ⁻¹
Speed accuracy:	±0.1 min ⁻¹
Flow rate range:	0.004 ... 149.23 ml/min
Weight:	0.8 kg
Dimensions (W x D x H):	180 x 115 x 125 mm
IP code:	IP 31
Working temperature range:	0 ... 40 °C
Max. humidity:	80 %
Power rating:	10 W
Power supply:	100 ... 240 V, 50/60 Hz

-30%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniPERIPUMP 1	EU	1	6.263 540	545,00	381,50
LLG-uniPERIPUMP 1	UK	1	6.263 541	545,00	381,50

Peristaltic Pump LLG-uniPERIPUMP 3

! High Pump Capacity Up to 930 ml/min



The peristaltic pump with high pumping capacity. Ideal for continuous dosing applications. Space-saving, robust and with stable flow rate.

- **High pumping capacity of 930 ml/min**
- Reversible working direction
- Hose connectors easily exchangeable
- Low power consumption
- Corrosion-resistant ABS housing
- OLED display for indication of speed and working direction

Scope of supply: Pump, pump head, PharMed® hose connectors 6.4 mm ID, 9.6 mm AD

Specifications

Speed range:	0.1 ... 150 min ⁻¹
Speed accuracy:	±0.1 min ⁻¹
Flow rate range:	0.08 ... 930 ml/min
Weight:	0.8 kg
Dimensions (W x D x H):	190 x 128 x 135 mm
IP code:	IP 31
Working temperature range:	0 ... 40 °C
Max. humidity:	80 %
Power rating:	20 W
Power supply:	100 ... 240 V, 50/60 Hz

-30%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniPERIPUMP 3	EU	1	6.263 550	650,00	455,00
LLG-uniPERIPUMP 3	UK	1	6.263 551	650,00	455,00

Accessories for LLG-uniPERIPUMP 1 and 3



-30%

Description	For	PK	Cat. No.	Price	Now
				EUR	EUR
Pumphead with PharMed® tubing ID 1 mm	LLG-uniPERIPUMP 1	1	6.263 542	50,00	35,00
Pumphead with PharMed® tubing ID 2 mm	LLG-uniPERIPUMP 1	1	6.263 543	50,00	35,00
Pumphead with PharMed® tubing ID 3 mm	LLG-uniPERIPUMP 1	1	6.263 544	50,00	35,00
PharMed® tubing ID 1 mm with connector and Tube Clip	LLG-uniPERIPUMP 1	1	6.263 546	10,00	7,00
PharMed® tubing ID 2 mm with connector and Tube Clip	LLG-uniPERIPUMP 1	1	6.263 547	10,00	7,00
PharMed® tubing ID 3 mm with connector and Tube Clip	LLG-uniPERIPUMP 1	1	6.263 548	10,00	7,00
PharMed® tubing (ID: 3.1mm, OD: 6.3mm) with connector and Tube Clip	LLG-uniPERIPUMP 3	1	6.263 552	10,00	7,00
PharMed® tubing (ID: 6.4 mm, OD: 9.6 mm) with connector and Tube Clip	LLG-uniPERIPUMP 3	1	6.263 554	15,00	10,50

ID = Inner diameter, OD = Outer diameter

LLG-Safety Eyeshields *lady*



Slim Fit

- CE approved to EN 166 and EN 170
- Panoramic wrapping lens
- 180° visual field
- Frame made of tested hypo-allergenic material
- Temples with rubber tips, adjustable in length and inclination
- Nosepad and terminal tips made from soft, mouldable material for optimal comfort and individual customisation
- 100 % UV protection (up to 400 nm)
- Weight only 25 g

-30%

Colour	Lens	PK	Cat. No.	Price	Now
white/green	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 007	EUR 10,80	EUR 7,56

LLG-Disposable Visitor Gowns, PP



White PP nonwoven 30 g/m², universal size with shirt collar and elastic at the wrists, latex-free, without pocket, 4 push buttons

-30%

Description	PK	Cat. No.	Price	Now
LLG-Visitors gown	50	6.282 796	EUR 48,20	EUR 33,74

Safety Eyeshields SecureFit™ 400 with Scotchgard™ Anti-Fog Coating



99.9 % absorption of UVA and UVB rays

- Features proprietary self-adjusting 3M™ Pressure Diffusion Temple Technology
- Soft, adjustable nosepads
- Dual-injected, padded temple touchpoints for added comfort over the ears
- Polycarbonate lenses absorb 99.9 % of UVA and UVB
- Scotchgard™ Anti-Fog Coating (SGAF)
- Indoor-outdoor mirrored lenses (I/O)

-30%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
red/grey	clear, 2C-1.2, UV, SGAF	1	4.664 580	10,60	7,42
blue/grey	clear, 2C-1.2, UV, SGAF	1	4.664 581	10,60	7,42
blue/grey	clear, 2C-1.2, UV, SGAF, foam frame	1	4.664 582	13,70	9,59
blue/grey	grey, 5-1.7, UV, SGAF I/O	1	4.664 583	11,10	7,77
blue/grey	grey, 5-3.1, UV, SGAF	1	4.664 584	11,10	7,77

Needles and Waste Containers Medibox®



Containers for easy and safe disposal of all kinds of medical sharp and pointed waste. Medibox® sharps containers comply with international standards.

-20%

Volume	Capacity	Dimensions (W x D x H)	PK	Cat. No.	Price	Now
litres	L	mm			EUR	EUR
0.7	0.6	114 x 74 x 130	10	6.312 909	26,00	20,80
2.4	2.0	151 x 151 x 200	10	6.312 910	24,60	19,68
4.7	3.9	190 x 190 x 200	10	6.312 911	35,00	28,00

Disposable Gloves Trilites 994

EN ISO 374-1
Type B



KPT

EN ISO 374-5



VIRUS



- Material mix of 3 polymers for increased comfort and resistance
- Protection against chemical splashes
- Optimal wall thickness for maximum tactility and optimum durability

According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016

Colour: Purple
Outside: Pebbled
Inside: Chlorinated
Thickness (measured in double layer): 0.15 mm
Cat. III

-6%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
S	255	100	7.670 159	19,40	18,17
M	255	100	7.670 160	19,40	18,17
L	255	100	7.670 161	19,40	18,17
XL	255	100	6.275 129	19,40	18,17

Disposable Gloves TouchNTuff®, Nitrile

EN ISO 374-1
Type B



KPT

EN ISO 374-5 EN 421 EN 420



VIRUS



- Manufactured from nitrile, TouchNTuff® offers up to four times the puncture resistance of comparable natural-latex gloves, and three times the resistance of similar neoprene gloves.
- It contains no natural rubber proteins, which means no risk of Type I allergies for the wearer.
- With a unique "Thin Nitrile Technology" formulation, this glove offers easy donning and strong grip in wet or dry conditions.
- AQL 1.5 (EN374)
- **Cat. III Low Chemical resistant.**
- 100 % nitrile, powder-free, green, 0.12 mm thick, smooth.
- Supplied in dispenser box containing 100 gloves.

According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016, EN 421, EN 420 Suitable for food handling.

-30%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
S (6.5 - 7)	300	100	7.651 232	27,70	19,39
M (7.5 - 8)	300	100	6.236 916	27,70	19,39
L (8.5 - 9)	300	100	6.236 917	27,70	19,39

LLG-Disposable Gloves, standard long, Nitrile, Powder-Free

EN ISO 374-1



KPT

EN ISO 374-5



VIRUS



- **For forearm protection, 300 mm length**
- Very comfortable to wear
- Excellent resistance to skin irritants in foodstuffs
- For single use in applications with an increased need for safety when handling chemicals
- Free from phthalates/softeners and allergenic latex proteins
- Easy to don and particularly skin-friendly through special finishing process
- Colour blue - suitable for areas subject to HACCP standards
- **Cat. III Low Chemical resistant. AQL 1.5.**

According to EN ISO 374-1:2016/Type B, EN ISO 374-5:2016, EN 421, EN 420 Suitable for food handling.

Glove shape: flat with rolled edge
Colour: blue
Outside: textured
Inside: powder-free halogenated
Thickness (measured in double layer): 0.16 mm

-30%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
S	300	100	6.270 366	22,60	15,82
M	300	100	6.270 367	22,60	15,82
L	300	100	6.270 368	22,60	15,82
XL	300	100	6.270 369	22,60	15,82

Hand Protectors Hot Hand®



Made of thick-walled silicone.
Safe, non-slip protection against very hot or cold surfaces.
Measures: 10 x 19 cm, with durable silicone rubber construction that remains flexible from -57 °C to +260 °C.
End pockets accept thumb and fingers to grasp objects.
Mitts have multiple studs with concave tips, thus providing secure grip on virtually all hot/cold surfaces.

-30%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Hot Hand®	1	9.119 900	38,20	26,74

LLG Single Channel Microliter Pipettes, variable



Bestseller! Ergonomic Shape for Very Comfortable Handling

The rounded shape and the unique soft grip of the LLG pipette ensures a safe and comfortable handling. A minimal effort is required for pipetting so that the risk of repetitive strain injuries (RSI) is reduced. Thermal insulation of the internal components, using the innovative soft grip, improves the accuracy.

The two-step plunger operation allows reverse pipetting. This also facilitates last drop dispensing by soft plunger movements. High accuracy and precision are guaranteed.

The colour code enables a quick choice of the right pipette depending of the volume to be pipetted (see corresponding column in the table below).

The volume setting is easy and precise, using the push-button, even when wearing gloves. Maintenance and adjustment take only a few minutes with just one tool. (Included in delivery)

Each pipette is individually tested and calibrated twice, conforming to EN ISO 8655 and DIN 12600 Standards. A certificate is included.

The pipette is fully autoclavable.



-30%

Capacity	Increments	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	Colour code	PK	Cat. No.	Price	Now
µl	µl						EUR	EUR
0.1 - 2.5	0.05	2.50	1.60	grey	1	9.280 000	160,00	112,00
0.5 - 10	0.1	1.00	0.80	grey	1	9.280 001	160,00	112,00
2 - 20	0.5	0.90	0.40	grey	1	9.280 002	129,00	90,30
10 - 100*	1.0	0.80	0.15	yellow	1	9.280 003	129,00	90,30
20 - 200	1.0	0.60	0.15	yellow	1	9.280 004	129,00	90,30
100 - 1000*	5.0	0.60	0.20	blue	1	9.280 005	129,00	90,30
500 - 5000*	50.0	0.50	0.15	purple	1	9.280 006	129,00	90,30
1000 - 10000**	100.0	0.60	0.20	turquoise	1	9.280 007	129,00	90,30

*Filters for pipettes available on request.

** 10000 µl pipette does not have a tip ejector

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	Figure	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-Safety pipette bulb, normal	A	1	6.270 265	9,50	6,65
LLG-Safety pipette bulb, universal	B	1	6.270 266	9,90	6,93

LLG-Pasteur Pipettes, Soda-lime-glass



Single use. With uniform shape and length. With long drawn, 1.1 mm diameter fine tip, 20 mm suction tube and constriction for tight fitting of cotton wool plugs. External diameter: 7.1 mm. Please order Pipette teats separately.

-30%

Length	PK	Cat. No.	Price	Now
mm			EUR	EUR
150	1000	9.411 015	41,60	29,12
230	1000	9.411 020	44,80	31,36

Reagent Reservoirs, PS, white



Disposable Reagent Reservoirs with a V-shaped bottom to ensure that all the reagent is accessible and can be easily aspirated. Thick wall construction and wide base adds stability and durability making the reservoir easy to handle without product deformation.

- Graduation markings allow for measurement of the liquid
- With pour-off spouts on all corners
- Stackable, with nesting system for easy separation
- Sterile versions are sealed in bags, electron beam sterilised and DNase, RNase and pyrogen-free
- Quality certificate available on request

-21%

Capacity	Sterile	Package contents	PK	Cat. No.	Price	Now
ml					EUR	EUR
50	+	100 bags of 1	100	4.666 443	127,00	95,90
50	-	1 bag of 100	100	4.666 444	66,00	47,26
100	+	100 bags of 1	100	4.666 448	147,00	116,66
100	-	1 bag of 100	100	4.666 449	73,00	53,16

Dispenser Tips, Ritips® evolution including LLG-uniDISPENS pro

ritter
MEDICAL



! Value Package

Ideal Combination!
Perfect Match!

Ritips® evolution

Universal dispenser tips for a variety of steppers. The five tip sizes are equipped with colour-coded adapters for faster identification.

- Easy, high-precision work even in the low µl range
- Suitable for viscous, infectious and volatile liquids due to direct displacement method
- Tips individually and mechanically tested for safe and repeatable application
- A batch certificate is available on request
- Lot number on each box

Suitable for Ripette®, Ripette® pro, Ripette® genX (Ritter), eLine™ Dispenser (Sartorius), Multipette® 4780, Multipette® plus (Eppendorf), Minilab 100, Minilab 101, Minilab 201, Distriman® (Gilson), StepMate, EasyStep, EasyStep electronic, RepeatOne® (Starlab), Handrop, HandyStep®, HandyStep® S, HandyStep® electronic (Brand).

LLG-uniDISPENS pro

Manual Serial Dispenser LLG-uniDISPENS pro

The **ergonomically designed** manual dispenser LLG-uniDISPENS pro enables single handed volume selection, loading and dispensing. Due to its light weight it is ideally suited for serial dosing. You can flexibly select your desired dosing volume from **120 dosing programs** for 12 tip sizes and with 10 stroke adjustments. You can view all settings and volumes at a single glance through the viewing window of the manual dispenser. The dispenser is **compatible with Ritips® from Ritter, PD-Tips® from Brand, Combitips® and Combitips advanced® from Eppendorf™**. Thanks to a purely mechanical, maintenance-free construction, the manual dispenser is a practical and convenient device for daily laboratory use. 3 years warranty.

Scope of delivery: 500 Ritips® evolution, packed in 5 x 100 pieces, plus a multiple dispenser LLG-uniDISPENS pro

-25%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Set of 5 x 100 ritips® evolution 0.5 ml + LLG-uniDISPENS pro	1	4.672 040	630,00	472,50
Set of 5 x 100 ritips® evolution 1,0 ml + LLG-uniDISPENS pro	1	4.672 080	630,00	472,50
Set of 5 x 100 ritips® evolution 2.5 ml + LLG-uniDISPENS pro	1	4.672 081	630,00	472,50
Set of 5 x 100 ritips® evolution 5.0 ml + LLG-uniDISPENS pro	1	4.672 082	630,00	472,50
Set of 5 x 100 ritips® evolution 10.0 ml + LLG-uniDISPENS pro	1	4.672 083	630,00	472,50

LLG-Lab Chair



Entry model for healthy sitting! The permanent contact backrest provides best support when working sitting down in the laboratory. The generously proportioned seat and backrest with integrated lumbar support provide additional support and therefore offer best laboratory ergonomics.

- Minimal joints: Hygienic design for easy cleaning and disinfection
- Resistant to all of the usual disinfectants and chemicals
- Seat and backrest upholstery made of artificial leather
- Quick adjustment: Every function can be operated comfortably and easy in sitting position
- Seat height adjustment by gas spring
- Backrest adjustable in height and inclination

Accessories: Multifunctional armrests (pair): Adjustable in height, width and depth as well as swivelling.



-30%

Description	Seat height adjustment	PK	Cat. No.	Price	Now
	mm			EUR	EUR
with Castors	440-620	1	6.287 753	200,00	140,00
Stop and Go Castors, Foot Ring	620-890	1	6.287 755	251,00	176,11

Laboratory Trolley clax Mobil comfort



Stable, multi-use trolley with parking brake. Push-button collapsing/unfolding.

Load capacity

Total:	60 kg
Upper shelf:	20 kg
Lower shelf:	40 kg

Dimensions and weight

unfolded (L x W x H):	900 x 580 x 1020 mm
collapsed (L x W x H):	710 x 550 x 190 mm
Weight without box:	6.9 kg

Folding box dimensions

Inner dimensions (W x D x H):	335 x 495 x 258 mm
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-28%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Laboratory Trolley clax Mobil comfort, incl. 1 clax folding box, 46 litres	1	9.148 100	205,70	148,57

LLG-Lab Stool with Castors



The extra-large seat provides optimum comfort. The solid black plastic star base and the upholstery edge protector that runs all the way round guarantee a long working life. The practical gas spring system with easy ring control allows a comfortable seat height adjustment.

- Resistant to all of the usual disinfectants and chemicals
- Seat upholstery made of artificial leather (soft and comfortable, washable and antibacterial) or soft-touch PU foam (extremely robust, washable and antibacterial) in black
- Seat height adjustment by gas spring.

-29%

Material	Seat height adjustment	PK	Cat. No.	Price	Now
	mm			EUR	EUR
PU Foam	460-630	1	6.287 757	135,00	95,66
Artificial Leather	460-630	1	6.287 758	132,00	92,77

Folding Steps K80



Made of Aluminum, with large steel steps of 30 x 21 cm and anti-slip mats. Narrowly foldable to 5 cm.

- Stands securely due to the non-slip plug-in foot that stands up over the entire surface.
- Folding safety mechanism (safety lock)
- Can be loaded up to 150 kg

-15%

Number of steps	Height*	Colour	PK	Cat. No.	Price	Now
					EUR	EUR
2	46	black	1	4.668 331	-	49,99
3	69	black	1	7.623 704	70,00	59,69

* Height of first step (cm)

LLG pH Meter 7 set



- Intuitive Handling
- Incl. "Made in Germany" Electrode



The LLG pH Meter 7 is an easy-to-use, robust table-top instrument for measuring pH and redox potential.

- Available as set with gel combination electrode ("Made in Germany") with temperature sensor
- Large colour-touch-display with language-independent graphical user interface
- Automatic temperature compensation
- Memory for 500 values
- 3-point calibration
- BNC connection for the electrode
- RS232 interface for data transfer

Scope of supply:

pH meter, combination electrode, electrode holder, protective cover, power supply unit

Specifications

pH range:	0 ... 14
pH resolution:	0.01
pH accuracy:	±0.01
Temperature range electrode:	0 ... 80 °C
Dimensions (W x D x H):	180 x 240 x 80 mm
Weight:	0.7 kg
Power supply:	9 V DC/1A
IP code:	IP 54

-30%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-pH Meter 7 set	EU	1	6.263 601	569,00	398,30
LLG-pH Meter 7 set	UK	1	6.263 607	569,00	398,30

LLG-Universal Indicator Paper, rolls



For the determination of pH values.
Plastic dispensing reel with 1 roll of 5 m.



-30%

Range	Description	PK	Cat. No.	Price	Now
				EUR	EUR
pH					
1 - 11	Dispensing reel with 1 roll	1	9.129 800	6,00	4,20
1 - 14	Dispensing reel with 1 roll	1	9.129 802	6,00	4,20

Oxygen Meter SD 400 Oxi L



SD 400 Oxi L (Set 1)



- Oxygen meter for use in sewage and water works, research and teaching as well as in aquaristics. Ideally suited for the determination of "dilution BOD" due to the optimised probe for standard BOD bottles.
- Especially high measuring accuracy by luminescence technology
 - Short response time of the oxygen probe
 - Inflow to the oxygen probe is not necessary, the use of stirrers or manual stirring is no longer required
 - Backlit LC display

Scope of delivery:

SD 400 Oxi L (Set 1): Meter with 4 (AA) batteries, optical oxygen probe with 1.5 m cable, storage/calibration bottle, micro SD card with calibration data, software and manual (on Micro SD card), short manual and lanyard in case.

SD 400 Oxi L (Set 2): as Set 1 but with 3 m cable

SD 400 Oxi L (Set 3): as Set 2 but with 10 m cable

Specifications

O ₂ concentration:	0 to 50 mg/l
Resolution:	0.01 mg/l
O ₂ saturation:	0 to 500 %
Resolution:	0.1 %
O ₂ partial pressure:	51 to 112 kPa
Resolution:	0.1 kPa
Probe temperature:	-5 to 50 °C
Resolution:	0.1 °C
Accuracy:	±0.2 °C
Memory:	Micro SD card, 1 GB
Batteries:	Micro USB or 4 x AA batteries
Dimensions (L x W x D):	162 x 98 x 54 mm
Weight:	approx. 314 g
IP code:	IP 67

-5%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
SD 400 Oxi L (base unit without sensor only)	1	6.288 681	361,00	343,67
SD 400 Oxi L (Set 1)	1	6.288 678	799,00	760,65
SD 400 Oxi L (Set 2)	1	6.288 679	844,00	803,49
SD 400 Oxi L (Set 3)	1	6.288 680	887,00	844,42
Metal protection cap	1	6.289 502	36,30	34,56

LLG-Universal Indicator Paper, strips



For determination of pH value.
Vial with snap lid of 100 pre-cut indicator paper strips.



-30%

Range	Package contents	PK	Cat. No.	Price	Now
				EUR	EUR
pH					
1 - 14	100 strips per vial with snap lid	100	9.129 805	8,40	5,88

Dry Block Heaters, analogue and digital



4.659 489



4.659 495



Versatile Heating Blocks for Daily Use

Permissible ambient conditions:
Designed for applications that require repeatable results and superior temperature stability. Each block has a thermometer well for measuring block temperature. Efficient heating due to close tube-and-block contact for maximum heat retention.

Analogue

- Microprocessor Control
- LED Display
- Temperature Calibration Mode
- Caution Hot Indicator
- Audible Alarm

Digital

- Microprocessor Control
- Adjustment knobs

Without blocks. Please order separately.

Specifications

Temperature range:

Temperature stability at 37 °C:
Uniformity within block at 37 °C:
Heat up time to 100 °C:
Permissible ambient conditions:
Power supply:

Analogue // Digital
ambient +5 to 100 °C //
ambient +5 to 120 °C
±1.5 °C // ±0.2 °C
±0.4 °C // ±0.2 °C
16 min // 60 min
18 to 33 °C
230 V, 50/60 Hz

-18%

Type	Length	Width	Height	PK	Cat. No.	Price	Now
	mm	mm	mm			EUR	EUR
Analogue, 1 block	315	203	89	1	4.659 489	350,00	285,60
Digital, 4 blocks	429	203	89	1	4.659 495	1.070,00	873,12

Blocks for Dry Block Heaters

-18%

For	No. of wells	Diam.	Depth	PK	Cat. No.	Price	Now
		mm	mm			EUR	EUR
1.5 ml Eppendorf™ Tubes	20	11.50	39.90	1	4.659 846	102,50	83,64
2 ml Eppendorf™ Tubes	20	11.50	38.10	1	4.659 875	102,50	83,64
15 ml Conical Tubes	12	17.10	44.50	1	4.659 856	102,50	83,64
10 mm Tubes	24	10.70	48.40	1	4.659 835	102,50	83,64
28 mm Vials	6	28.80	45	1	4.659 873	102,50	83,64

Standard Heating Mantles series KM-G



LabHEAT®-Heating mantles for flasks, round bottom. Flexible glass yarn heating element, outer jacket in glass silk, with diam. 60 mm bottom out-let from 500ml, max. heating element temperature 450 °C, 1.5 m power supply (earthed) cable with heating-zone switch and RCD (residual current detection), nominal voltage 230 V AC.

-20%

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.	Price	Now
ml	mm	W				EUR	EUR
100	64	120	1	1	9.642 403	275,00	221,26
250	85	180	2	1	9.642 404	278,00	223,67
500	105	250	2	1	9.642 405	286,00	230,11
1000	131	450	2	1	9.642 406	321,00	258,26

Thermal Protection Glove TempDex 710 up to 125 °C

EN 388 EN 407



4111X X1XXXX



With Anti-Slip Dot Embossing

- Thin, anatomically-shaped glove ensures dexterity
- Excellent abrasion resistance: longer lasting
- Dot embossing for better insulation and better grip
- Cat. II

-21%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
7	240	10	6.285 464	42,70	33,73
9	260	10	6.285 465	42,70	33,73
11	280	10	6.285 463	42,70	33,73

LLG-Cryogenic Storage Boxes, plastic coated, white



Made of cardboard, plastic coated. **Without divider.** Square. For the storage of samples. With lid. Further sizes and colours available on request.

-30%

Dimensions mm	Int. height mm	PK	Cat. No.	Price EUR	Now EUR
133 x 133	50	10	6.290 869	26,00	18,20
133 x 133	75	10	6.290 878	30,00	21,00
136 x 136	50	10	6.290 870	23,00	16,10
136 x 136	75	10	6.290 877	27,00	18,90

LLG-Partition Inserts for LLG-Cryoboxes, white



-30%

Other sizes available on request.

Dimensions mm	Height mm	Array	For tubes diam. mm	PK	Cat. No.	Price EUR	Now EUR
133 x 133	30	9 x 9	approx. 13,0	10	6.290 871	12,00	8,40
133 x 133	30	10 x 10	approx. 12,0	10	6.290 876	12,00	8,40
136 x 136	30	10 x 10	approx. 12,5	10	6.290 872	12,50	8,75
136 x 136	30	9 x 9	approx. 13,9	10	6.290 875	12,50	8,75

Cryogenic Boxes, 81 well, PP, autoclavable



Temperatures as low as -90 °C. The boxes are autoclavable at +121 °C for 20 minutes. The boxes have a fixed grid divider with 9 x 9 cells and are suited for 1.2 ml and 2 ml cryogenic vials. Cellcodes are printed on the lid for easy identification.

-26%

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
blue	130 x 130 x 50	5	6.290 856	18,30	13,53
green	130 x 130 x 50	5	6.290 857	18,30	13,53
natural	130 x 130 x 50	5	6.290 855	18,30	13,53

Freezer Boxes B35-50/B35-85, up to -85 °C



B 35-85

Small freezers suitable for use directly at the workplace. With natural refrigerant, lockable door and stainless steel interior. Control Accuracy: ±1 K Capacity: 35 l You can find further information in our webshop.

Type	Temp. range max. °C	Weight kg	PK	Cat. No.	Price EUR
B 35-50	-50 ... -10	65	1	6.284 402	3.978,27
B 35-85	-85 ... -50	81	1	7.982 609	5.177,36

Freezer Racks



Stainless steel racks, suitable for all brands of freezers. For boxes up to 135 x 135 mm.

-30%

Horizontal

Type	Dimensions (W x D x H) mm	Height Box mm	PK	Cat. No.	Price EUR	Now EUR
4 x 3	140 x 419 x 221	approx. 50	1	9.698 950	86,00	60,20
4 x 4	558 x 139 x 221	approx. 53	1	9.698 969	98,40	68,88
5 x 4	558 x 139 x 276	approx. 53	1	9.698 971	100,80	70,56

Vertical

Type	Dimensions (W x D x H) mm	Height Box mm	PK	Cat. No.	Price EUR	Now EUR
11 x 1	140 x 141 x 613	approx. 53	1	9.698 963	81,40	56,98
12 x 1	140 x 140 x 665	approx. 53	1	9.698 964	83,90	58,73

-30%

UV/PCR Cabinet UVT-B-AR



- For Work with DNA/RNA Samples
- Protects Against Contamination



Economy bench-top model for protection against contamination during a variety of DNA/RNA procedures.

- UV surface irradiation, via single 25 W 254 nm open UV lamp
- Patented high intensity UV air cleaner, 25 m³/hour cleaner-recirculator continuous air flow with 1cm UV irradiation distance
- UV lamp in the upper hood disinfects the working area, inactivating DNA/RNA fragments during 15-30 min of exposure
- UV exposure control, 24 hour digital timer
- Convenient, easy to use digital timer for accurate control of UV exposure
- White lamp provides local illumination of the workplace to optimise visual control during operations
- Shock proof glass panels, metal framework and stainless steel work surface
- Automatic switch-off of open UV light when door opened
- Contains an integral power socket
- Available with a choice of either access port or internal socket

Specifications

External dimensions (W x D x H):
Working area dimensions (W x D):
Weight:

690 x 585 x 555 mm
650 x 475 mm
32 kg

-17%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
UVT-B-AR	1	9.721 070	1.830,00	1.512,02

LLG-96-well PCR Plates, PP



- Cut-away corner for orientation
- Clear well bottom for sample visibility, with V-Bottom
- Compatible with leading thermocyclers
- Consistent wall thickness for uniform heat transfer
- Holes in the skirt for easy handling
- Virgin polypropylene, certified RNase, DNase and endotoxin free

-30%

Description	Capacity	PK	Cat. No.	Price	Now
	µl			EUR	EUR
skirted, low profile, PP	200	25	9.407 507	179,00	125,30
non-skirted, PP	300	25	6.238 061	87,00	60,90

PCR-Coolers



PCR-Cooler made of PP with lid made of PC. Ice-free cooling system for PCR preparation and storage of 0.2 and 0.5 ml PCR tubes and strips, as well as 96 well plates in standard and low profile well shape. Maintains sample temperature of less than 5 °C for up to 3 hours (with lid off). Maintains the entire 96-well plate at a temperature of 0 °C for 1 hour. When the temperature ceiling of 6 °C has been exceeded, users are signaled by a contrasting colour change of the cooler, or a single well.

- 2 colour options: Purple to pink or dark blue to light blue
- Ice-free cooling reduces the risk of contamination
- Detachable lid serves also as a stand
- Lid is suitable for left and right handed users
- Ergonomic textured finger grips provide a secure hold
- Can be used for freezer storage down to -80 °C
- Alphanumeric identification
- 2 years warranty

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Pink	2	6.292 157	80,75	56,53
Blue	2	6.292 158	80,75	56,53
1 x Pink + 1 x Blue	2	6.292 159	80,75	56,53

Incubator Lovibond® DI 10



Portable

Designed for the reliable incubation of dipslides in laboratories and field work.

- Low voltage, in-car operation possible
- Holds up to 12 dipslides, please order holder separately
- Excellent temperature stability
- Programmable incubation period setting
- LCD Temperature display with up/down push button control
- Rapid heating times for fast testing
- External status LEDs

Scope of supply: Incubator incl. external 12 V universal power supply, set of leads (UK, EU, US), 12 V in-car power adapter

Temperature range: ambient +5 ... +40 °C (±0.5 °C)
 Dimensions (W x D x H): 246 x 215 x 162 mm
 Weight: 1.7 kg
 Power supply: 110/220-240 V or 12 V

Type	PK	Cat. No.	Price
			EUR
Lovibond® DI 10	1	6.291 192	485,25
Dipslide-Holder	1	6.274 399	107,28

Disposable Culture Tubes, soda-lime glass, with screw cap



From Soda-lime glass. With DIN thread and PP screw cap. Wall thickness 1 mm.

-18%

Capacity	Outer diam.	Height	DIN-Thread	PK	Cat. No.	Price	Now
ml	mm	mm	GL			EUR	EUR
6	12	100	14	100	7.021 547	40,70	33,20
12	16	100	18	100	7.021 548	43,60	35,58
22	16	160	18	100	7.021 549	53,70	43,75
32	18	180	18	100	7.021 550	62,60	51,04

Microbiological Rapid Tests Lovibond® Dipslides



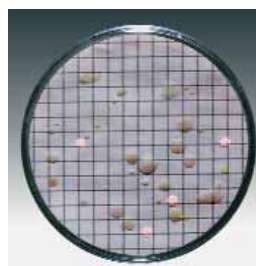
Ideal for Hygiene and Water Analysis

The Lovibond® Dipslides are designed to test liquids as well as surfaces. These dual-sided Dipslides are available in a wide range of different media types. They are ideal for use in many applications including evaporative cooling towers, closed water circuits, cutting fluids, food testing, and many more.

-18%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
TTC/TTC for total viable count (TVC)	10	6.282 520	18,50	15,10
TTC/MALT for Yeast, Moulds, Fungi, TVC	10	6.282 521	18,50	15,10
TTC/ROSE for Yeast, Moulds, Fungi, TVC	10	6.282 522	18,50	15,10
TTC/MAC for coliforms, TVC	10	6.282 523	18,50	15,10
TTC/E.COLI for E. coli/coliforms, TVC	10	6.282 524	35,50	28,97
PDM/MAC for Pseudomonas species, coliforms	10	6.282 525	35,50	28,97
TTC/PDM for Pseudomonas species, TVC	10	6.282 526	35,50	28,97
SRB for Sulphate reducing bacteria	10	6.282 527	52,60	42,92
R2A/R2A - TTC for testing of potable water	10	6.282 529	18,50	15,10

Nutrient Pads, 50 mm



Sterile, dehydrated culture media pads in petri dishes. Once they are moistened with 3.0 ml to 3.5 ml of sterile and demineralised (or distilled) water they are ready-to-use immediately. All Nutrient Pad sets are supplied with the appropriate membrane filters, which are also individually sterile packed. Shelf life of the NPS 18 to 24 months at room temperature.

-18%

Type	For	Pore size	PK	Cat. No.	Price	Now
		µm			EUR	EUR
Endo	E. coli + Coliforms	0.45	100	9.055 008	189,00	154,22
Caso	Colony count	0.45	100	9.055 017	189,00	154,22
Standard TTC	Colony count	0.45	100	9.055 010	189,00	154,22
Wort	Yeasts + moulds	0.65	100	9.055 013	189,00	154,22
Glucose-	thermophilic spore formers,	0.45	100	9.055 020	189,00	154,22
Tryptone	mesophilic bacteria					
Sabouraud	Yeast + mould	0.65	100	9.055 023	189,00	154,22

Scanning Spectrophotometers



Simultaneous Measurement of all Wavelengths

Scanning spectrophotometers from Jenway for measurements in the visible and UV range. Wavelength range of 198 to 800 nm with a spectral bandwidth of 5 nm.

The 72 series spectrophotometers offer measurement modes for single wavelength with basic absorbance and % transmittance; concentration determination (via reference standards or calibration curves with up to 6 standards), full spectrum scanning and kinetics for up to 3 simultaneous wavelength measurements.

The colour touchscreen user interface provides fast and easy set up, and navigation of the instrument. The 4" display allows full spectrum scans, quantitation curves and kinetics runs to be viewed easily.

- Including two USB ports for data storage and printer connectivity.
- Scanning diode array detector (DAD)
 - Colour Touchscreen navigation
 - Fast scan speed
 - Multiple USB ports for data storage and printer connectivity
 - 2 year warranty on the instrument

Specifications

Optical system:	Single beam
Wavelength Range:	198 to 800 nm
Resolution:	±2 nm
Repeatability:	±2 nm
Spectral bandwidth:	5 nm
Photometric range:	-0.300 to 2500 A
Accuracy:	±0.01 A at 1.0 A and 546 nm
Stability:	±0.005 A/h bei 0.04 A und 546 nm
Stray Light at 340 nm, %T:	< 1 % T acc. ANSI/ASTM E387-72
Concentration range:	±2500
Quantitation:	±2500
Kinetics:	15 bis 99999 s
Light source:	Xenon Lamp
Outputs:	2 x USB
Dimension (W x D x H):	212 x 422 x 120 mm
Weight:	2.8 kg
Power supply:	100-240 V, 50/60 Hz
Warranty:	2 Years

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Spectrophotometer 7205 (UV-VIS)	1	6.286 777	2.682,00	2.211,22

LLG-Disposable Plastic Cells, PS



- Cavity sorted
- Glass clear polystyrene (PS)
- Applicable wavelength range 340 nm to 900 nm
- Very low variation of extinction values
- Excellent optical transmission range
- Styrofoam racks: 100 cuvettes in a styrofoam box with cover

-30%

Description	Capacity	Path length	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
Macro	4.0	10	100	9.406 011	9,80	6,86
Semi-micro	1.6	10	100	9.406 012	10,50	7,35

Cuvette Rack, PP



For safe handling and holding of 16 spectrophotometer cuvettes with 10 mm width. Alphanumeric index on cuvette rows enables easy identification of tube positions. 2 tier body form offers clear visibility option from horizontal direction. Autoclavable (121 °C).

Length	Width	Height	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
210	70	35	1	6.286 844	10,00	7,00

-30%

Automated Cell Counter EVE™ Plus

Nano**En**Tek



EVE™ Plus is a benchtop automatic cell counter designed to accurately and precisely measure cell count and viability of different cell cultures. It uses the standard trypan blue technique.

- Fine distinction of clumped cells: Accurate results with advanced analysis algorithm
- Touch screen interface
- Auto save function up to 500 results
- Data transfer via Wi-Fi
- Acoustic signal after each count

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Automated cell Counter EVE™ Plus	1	4.669 246	2.987,00	2.837,65

! Less than 1 second for Cell Counting

Specifications

Manual counting time:	1 second or less
Auto focus counting time:	10 seconds or less
Measuring range:	1 x 10 ⁴ ~ 2 x 10 ⁷ cells/ml
Zählbarer Zellgrößenbereich:	5 ~ 60 µm

Accessories

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
EVE™ Cell counting slides incl. 1 x 1.5 ml trypan blue (0.4 %) for 100 counts	50	6.284 818	84,40	59,08

Square Media Bottles Typ 2019, PETG, sterile



Thermo
SCIENTIFIC

With white HDPE screw closure. Reduced permeability to CO₂/O₂ which reduces pH-shift. Bottles and closures are radiation-sterilised and pyrogen-free to eliminate costly washing, depyrogenation and autoclaving steps. Heatshrink band around closure and neck provides tamper-evident seal. Packed in shrink-wrapped trays. 2L size has moulded-in handgrips and a 53-mm (53B) white closure. Bottles are sterile to 10⁻⁶ SAL, non-pyrogenic, non-cytotoxic and comply with USP Class VI guidelines. Sterile. Transparent. Leakproof. Graduated.

-30%

Capacity	Dimensions	Cover type	PK	Cat. No.	Price	Now
ml	mm				EUR	EUR
30	64 x 38 x 38	diam. 20 mm	24	9.103 121	81,70	57,19
125	110 x 54 x 54	diam. 38 mm	24	9.103 123	174,20	121,94
250	146 x 61 x 61	diam. 38 mm	24	9.103 124	178,40	124,88
500	177 x 74 x 74	diam. 38 mm	12	9.103 125	165,70	115,99
1000	220 x 94 x 94	diam. 38 mm	12	9.103 126	190,30	133,21
2000	271 x 116 x 116	diam. 53 mm	6	9.103 127	180,30	126,21

Cell Culture Flasks, treated, PS, sterile



These cell culture flasks with treated surfaces for the cultivation of adherent cells are available with different growth areas from 12.5 to 182 cm². Available with vented or plug-seal caps made from polyethylene. Vented caps contain a 0.22 µm hydrophobic filter to allow gas exchange and minimize risk of cross-contamination. Plug Seal caps can be used in closed systems, providing a liquid and gas shear seal, but by simply unscrewing the cap one quarter of a turn, this cap can also be used in an open system. Angled neck. 45 mm thread.

- Innovative angled neck design offers good pipette and cell scraper access
- Upper triangular and wider base shape provides stability
- Stackable
- Special writing area near the neck
- Engraved graduation on both flask sides
- Sterilized by gamma irradiation
- Non-pyrogenic

-30%

Working volume	Culture surface	Cover type	PK	Cat. No.	Price	Now
ml	cm ²				EUR	EUR
20	12.5	standard	10	6.267 172	8,30	5,81
20	12.5	vented	10	6.267 173	9,40	6,58
40	25.0	standard	10	6.267 174	6,70	4,69
40	25.0	vented	10	6.267 175	7,00	4,90
75	75.0	standard	5	6.267 176	6,00	4,20
75	75.0	vented	5	6.267 177	6,00	4,20
400	182.0	standard	5	6.267 178	9,45	6,62
400	182.0	vented	5	6.267 179	9,45	7,19

High-Performance Greenough Stereo Microscope



Versatile: Perfect for a Wide Range of Biological and Material Science Applications

Versatile Stereo microscope for a wide range of biological and material science applications

- improved optical and mechanical performance
- improved image contrast due to multi-layer lens coating
- improved illumination concept
- ESD compatible set ups available
- various accessories available
- Observation Tube Binocular -/Phototube 45°, 360° rotating, F.N. 23
- Fixed optical split 50:50
- Widefield adjustable eyepieces WF10X/23mm, incl. eyecups
- 6.7:1 Zoom ratio, WD=110mm
- Objective magnification range: 0.75X-5X
- SMZ-171 Pole type stand with large working area and head holder
- Coarse focusing system with tension adjustment
- 3W incident and transmitted LED illumination with independent intensity controls
- Transmitted light with tilting reflector (oblique illumination)
- Option to adapt flexible light guide
- Main supply 100V-240V (CE)
- Black/White and frosted glass stage plates, and dust cover



SMZ-171-TLED

-18%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
SMZ-171-BLED	Binocular	1	6.264 087	1,104,00	909,87
SMZ-171-TLED	Trinocular	1	7.671 016	1,167,00	961,79

Staining Rack, Glass



Glass. Holds microscope slides 76 x 26 mm to 50 mm.

-28%

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
				EUR	EUR
Staining rack	85 x 30 x 45	1	9.163 280	7,50	5,39
Wire handle	-	1	9.163 284	1,90	1,43

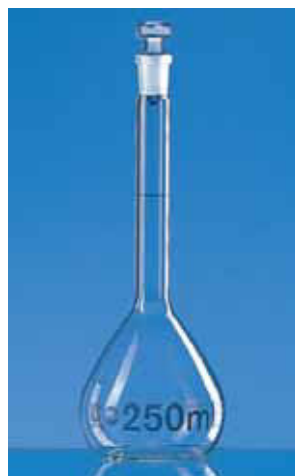
Staining Jar, glass, Coplin



-19%

Diam.	Height	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
45	105	1	9.163 283	9,10	7,36

Volumetric Flasks, borosilicate glass 3.3, Class A, blue graduated



All BLAUBRAND® volumetric flasks are delivered with batch number and one batch certificate included per pack. Also available with individual works or DAkkS (former DKD) calibration certificate, please enquire.

- DIN EN ISO 1042
- DE-M marking
- Ring marks and inscriptions in highly contrasting blue enamel
- Calibrated to contain (IN)

-30%

Capacity	Tolerance	Joint size (NS)	Material	PK	Cat. No.	Price	Now
ml	± ml					EUR	EUR
25*	0.06	12/21	PP Stoppers	1	4.000 074	22,00	15,40
50*	0.10	14/23	PP Stoppers	1	9.276 456	22,00	15,40
100	0.10	14/23	PP Stoppers	1	9.276 457	24,10	16,87
25*	0.06	12/21	Glass Stoppers**	1	7.018 553	20,30	14,21
50*	0.08	14/23	Glass Stoppers**	1	7.018 549	21,80	15,26
100	0.10	14/23	Glass Stoppers**	1	7.018 550	22,60	16,52

*Wide mouth

**Incl. one batch certificate

Volumetric Trapezoidal Flasks, DURAN®, class A, blue graduated, with PE stopper



HIRSCHMANN®

IN (TD) calibrated. With dated batch identification. Declaration of conformity acc. to DIN 12600. NS ground with poly stopper. Ring mark and graduation in high contrasting blue enamel. According to DIN EN ISO 1042. Batch calibration reports for these products can be generated and printed on www.hirschmannlab.com, free of charge. Additional single calibration reports or DAkkS certificates (former DKD calibration reports) are available.

-30%

Capacity	Tolerance	Height	Joint size (NS)	PK	Cat. No.	Price	Now
ml	± ml	mm				EUR	EUR
1	0.025	60	7/16	1	9.276 645	22,60	15,82
2	0.025	70	7/16	1	9.276 646	22,60	15,82
5*	0.04	70	10/19	1	9.276 648	22,60	15,82
10	0.025	90	7/16	1	9.276 649	22,60	15,82
10*	0.04	90	10/19	1	9.276 650	22,60	15,82
25	0.04	110	10/19	1	9.276 652	24,30	17,01

* wide neck.

Measuring Cylinders, borosilicate glass 3.3, tall form, class A, blue graduated



With spout, tall form. BLAUBRAND®. To DIN EN ISO 4788. DE-M marking with works certified batch number. With spout and hexagonal foot. Graduations and inscriptions in highly contrasting blue enamel. Calibrated to contain (IN). All BLAUBRAND® cylinders are delivered with batch number and batch certificate. Also available with individual works, USP, or DAkkS (former DKD) calibration certificate on request. The batch certificate is also available to download from the manufacturer's website.

-30%

Capacity	Grad.	Tolerance	Height	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
5	0.1	0.05	115	1	9.274 105	11,90	8,33
10	0.2	0.10	140	1	9.274 108	11,90	8,33
25	0.5	0.25	170	1	9.274 120	12,50	8,75
50	1	0.5	200	1	9.274 128	13,70	9,59
100	1	0.5	260	1	9.274 138	14,60	10,22
250	2	1.0	335	1	9.274 148	28,20	19,74
500	5	2.5	365	1	9.274 154	47,80	33,46
1000	10	5.0	465	1	9.274 162	74,40	52,08
2000	20	10	505	1	9.274 164	97,00	67,90

Volumetric Pipettes, soda glass, class AS, 1 mark, blue graduated



ISOLAB
Laborgeräte GmbH

Soda glass. Conformity-certified. With batch date identification. DIN EN ISO 648, DIN 12687 and BS 700 - 1583. Calibrated to deliver (EX). Ring mark and inscriptions in permanent blue enamel.

-30%

Volume	Tolerance	Length	PK	Cat. No.	Price	Now
ml	± ml	mm			EUR	EUR
1	0.007	310	1	9.272 260	5,25	3,68
2	0.010	330	1	9.272 261	5,10	3,57
5	0.015	400	1	9.272 264	4,90	3,43
10	0.020	440	1	9.272 265	5,85	4,10
20	0.030	510	1	9.272 268	8,40	5,88
25	0.030	520	1	9.272 269	9,10	6,37
50	0.050	540	1	9.272 270	12,60	8,82

LLG-Griffin Beakers, PP



According to ISO 7056.
With spout and printed blue graduations.

-30%

Nominal capacity ml	Grad. ml	Diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
25	5	32	47	2	9.013 670	2,05	1,44
50	10	39	60	2	9.013 671	2,25	1,65
100	10	50	70	2	9.013 672	2,45	1,72
250	25	67	93	2	9.013 673	3,40	2,38
500	50	88	119	2	9.013 674	4,70	3,29
1000	50	109	147	2	9.013 675	7,25	5,41
2000	100	133	184	1	9.013 676	6,55	4,59

Graduated Jugs, PP, moulded graduations



Highly transparent. With a raised scale, spout and stable, easy-grip handle. Autoclavable at 121 °C (2 bar) according to DIN EN 285.
Food-safe product according to regulation (EU) No. 10/2011. To preserve markings, do not clean at temperatures exceeding 60 °C. Conditionally autoclavable at 121 °C (2 bar) according to DIN EN 285.

-30%

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
250	5	74	120	12	4.672 398	20,00	21,00
500	10	92	140	12	4.672 399	22,64	22,85
1000	20	117	181	6	4.672 400	23,23	16,25
2000	50	152	213	6	4.672 401	46,74	32,72
3000	50	172	242	6	4.672 402	64,50	45,15
5000	100	204	270	6	4.672 403	95,34	66,74

Cylindrical Jars with ribbed cap, HDPE



The cylindrical jars are supplied with insert and cap. Thanks to the large neck they are suitable for powders, solid specimen, creamy or semisolid substances, crystals and hygroscopic substances.
Suitable for foodstuff according to EC Regulation 1935/2004 and EC Regulation 10/2011.

-30%

Nominal capacity ml	Ext. diam. mm	Neck i. d. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
70	50	36	60	10	4.672 397	14,00	9,80
120	56	36	71	10	4.672 394	15,60	10,92
250	69	50	94	10	4.672 395	16,40	11,48
500	86	70	107	10	4.672 396	20,00	14,00
1000	111	85	128	10	4.672 393	28,00	19,60
1500	111	87	182	10	9.073 444	30,00	21,63
2000	111	87	235	10	9.073 446	35,10	24,57

Wide-Mouth Bottles, PE, graduated



Will withstand considerable pressure before rupturing. Secured by tagging points on bottle and PP cap. Confidential notes can be placed in the space between insert sealing plug and cap. Suitable for foodstuff according to EC Regulation 1935/2004 and EC Regulation 10/2011.

-30%

Capacity ml	Grad. ml	Ext. diam. mm	Int. diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
50	10	40	24	77	10	4.672 391	13,20	9,24
100	20	48	24	89	10	4.672 387	14,80	10,36
250	25	61	34.50	126	10	4.672 390	19,20	13,44
500	50	75	34.50	158	10	4.672 392	22,80	15,96
1000	100	93	45	200	10	4.672 388	27,60	26,32
2000	100	115	45	247	10	4.672 389	72,40	50,68

Scoops PharmaScoop, stainless steel V4A



For sampling of powders and granulates.

- Stainless steel V4A, highly polished surface
- Jointless production
- Autoclavable
- Suitable for food
- GMP-conform

-12%

Nominal capacity ml	Length Scoop mm	Diam. mm	PK	Cat. No.	Price EUR	Now EUR
10	45	25	1	6.226 226	61,70	54,50
50	70	38	1	7.622 382	104,50	92,33
100	100	50	1	6.226 227	142,00	125,49
500	140	95	1	7.911 019	142,50	125,98
750	210	95	1	6.226 228	146,80	129,73
1000	235	110	1	6.226 229	162,40	143,56
1250	195	125	1	7.900 430	167,60	148,12
1700	230	135	1	7.900 429	174,10	153,86
2500	215	185	1	7.636 598	207,60	183,52

Sampling Scoops and Spoons, PS, sterile



White, high-impact polystyrene plastic.

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

-30%

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

Disposable Dosing Spoon, PS, sterile



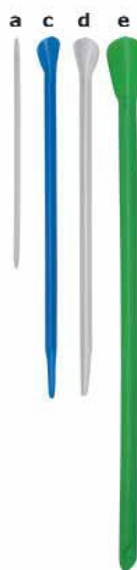
White. With these dosing spoons, small quantities of powders, granulates and liquids can be precisely measured and dosed. Excess medium is wiped off at the top edge of the spoon for precise measurement. The volume is stamped on the handle.

- With wiping edge
- Cleanroom manufactured (cleanroom class 7)
- Food-safe

-10%

Nominal capacity ml	PK	Cat. No.	Price EUR	Now EUR
0.50	100	4.670 772	36,00	33,21
1.00	100	4.670 774	39,00	35,10
2.50	100	4.670 776	41,10	36,99
5.00	100	4.670 778	44,40	39,96
10.00	100	4.670 780	46,70	42,03
15.00	100	4.670 782	48,90	44,01
25.00	100	4.670 784	56,70	51,03
50.00	100	4.670 786	93,70	84,33

Powder Spatula smartSPATULAS®, PP



The double-sided working aid for scooping, scraping and stirring. Shatter-resistant in liquid nitrogen, resistant to diluted acids and bases, and can be used with hot liquids. Autoclavable and complies with FDA standards for food contact.

-30%

For tubes ml	Description	Colour	Diam. mm	Length mm	Figure	PK	Cat. No.	Price EUR	Now EUR
0.2	Micro Antistatic	Natural	3.50	140	a	300	6.256 896	23,50	23,45
15/1.5/2.0	Standard	Blue	7.00	210	c	300	6.256 893	47,30	33,11
15/1.5/2.0	Standard	Natural	7.00	210	d	300	6.256 895	47,30	33,11
50	Macro	Green	1.00	310	e	150	6.256 897	52,40	36,68

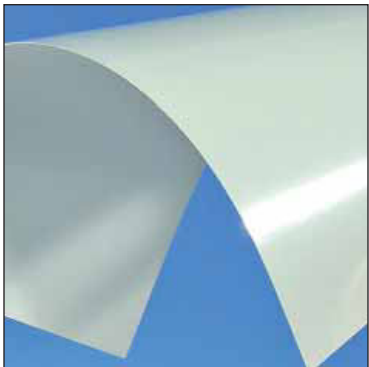
LLG-Forceps, stainless steel



-30%

Form	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
Straight	105	1	9.160 380	7,10	4,97
Curved	105	1	9.160 381	7,10	4,97

SIL G Unmodified Standard Silica Layers for TLC



POLYGRAM®



ALUGRAM®

Glass plates, POLYGRAM®, ALUGRAM®

- Silica 60
- Specific surface (BET) ~500 m²/g
- Mean pore size 60 Å
- Specific pore volume 0.75 ml/g
- Particle size 5 to 17 µm
- Standard grade
- Thickness of layer for analytical plates 0.25 mm, for preparative plates 0.5 and 1 mm
- For 2 mm preparative layers a slightly coarser material is used, indicators: manganese activated zinc silicate with green fluorescence for short-wave UV (254 nm)
- Binders: highly polymeric products, which are stable in almost all organic solvents and resistant towards aggressive visualisation reagents
- Binder system for Polygram® sheets is also completely stable in purely aqueous eluents
- Available as glass plates, Polygram polyester sheets and Alugram aluminium sheets
- Available with or without fluorescent indicator (UV 254)

-5%

Type	Plate format cm	Gel thickness mm	PK	Cat. No.	Price	Now
					EUR	EUR
POLYGRAM® polyester sheets SIL G UV ₂₅₄	4 x 8	0,20	50	9.003 493	32,90	31,32
POLYGRAM® polyester sheets SIL G UV ₂₅₄	20 x 20	0,20	25	9.003 494	119,00	99,01
ALUGRAM® aluminium sheets SIL G UV ₂₅₄	4 x 8	0,20	50	9.003 496	32,90	31,32
ALUGRAM® aluminium sheets SIL G	5 x 7.5	0,20	20	4.005 042	31,60	20,56
ALUGRAM® aluminium sheets SIL G	5 x 10	0,20	50	6.802 883	49,90	47,50
ALUGRAM® aluminium sheets SIL G UV ₂₅₄	5 x 10	0,20	50	9.003 477	49,90	47,50
ALUGRAM® aluminium sheets SIL G UV ₂₅₄	10 x 20	0,20	20	6.233 568	57,90	55,12
ALUGRAM® aluminium sheets SIL G	20 x 20	0,20	25	7.059 745	119,00	113,29
ALUGRAM® aluminium sheets SIL G UV ₂₅₄	20 x 20	0,20	25	9.003 497	119,00	99,01

Special Atomiser



With rubber blowball for nebulising reagents.
Can be connected to other compressed air supplies.

-17%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Special atomiser	1	9.024 000	118,90	98,59

LLG-2in1 KITs with Short Thread Vials ND9 (wide opening)



2in1 KITs contain 100 vials (1.5 ml) and 100 closures in an orange PP-Box. As both components are always required at the same time, 2in1 KITs are a convenient way to obtain and store all required items for analysis. All advantages of the individual components (cleanroom packaging of the vials, recloseability of the packaging, etc.) remain unchanged.

Any other combination of vial and seal as a 2in1 KIT available.

-30%

Description	Cover type	PK	Cat. No.	Price	Now
clear	Short Thread Cap, blue, hole, Silicon white / PTFE red	100	9.003 560	EUR 31,90	EUR 22,33
clear	Short Thread Cap, black, hole, Silicon white / PTFE blue, slitted	1	4.663 293	40,70	28,49
clear	Short Thread Cap, transparent, hole, Silicon white / PTFE red	100	9.003 561	27,90	20,07
clear, labelling field	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	9.003 562	43,00	30,10
clear, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PTFE red	100	7.970 892	34,10	23,87
amber, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PTFE red	100	6.266 871	33,80	23,66

LLG Syringe Filters *SPHEROS*, Cellulose Acetate



Proven Quality



- Robust Polypropylene housing
- Suitable for all syringes with Luer connection
- Sterile or non-sterile

Hydrophilic membrane for filtration of aqueous liquids. Low protein binding capacity. Especially suitable for biological macromolecules, water soluble oligomers and polymers. With female Luer-Lock inlet and male Luer-Slip outlet. Sterile products in individual hard blister packaging and dispenser box.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, red	-	100	6.272 802	77,00	53,90
13	0.45	PP, red	-	100	6.272 803	77,00	53,90
25	0.22	PP, red	-	50	6.272 804	47,00	32,90
25	0.45	PP, red	-	50	6.272 805	47,00	32,90
13	0.22	PP, red	+	100	6.272 806	109,00	76,30
13	0.45	PP, red	+	100	6.272 807	109,00	76,30
25	0.22	PP, red	+	45	6.272 808	47,00	32,90
25	0.45	PP, red	+	45	6.272 809	47,00	32,90

Disposable Syringes HSW HENKE-JECT®, 2-part, non-sterile



Disposable syringes with PP barrel, and PE piston. Luer-Slip or Luer-Lock nozzle.

- Wipe-resistant scale
- Transparent cylinder
- Pyrogen-free, non-toxic and PVC-free

-30%

Capacity	Nozzle type	PK	Cat. No.	Price	Now
ml				EUR	EUR
1	Luer-Slip	100	4.669 386	12,28	8,67
5	Luer-Slip	100	4.669 387	10,50	7,35
2	Luer-Slip	100	4.669 388	12,60	8,82
10	Luer-Slip	100	4.669 389	15,25	10,68
20	Luer-Slip	100	4.669 390	21,00	14,70
30	Luer-Slip	50	4.669 391	30,63	21,44
50	Luer-Slip	30	4.669 392	39,00	27,30
2	Luer-Lock	100	4.669 393	17,13	11,99
5	Luer-Lock	100	4.669 394	21,00	14,70
10	Luer-Lock	100	4.669 395	26,25	18,38
20	Luer-Lock	100	4.669 396	30,25	21,18
30	Luer-Lock	50	4.669 397	31,75	22,23
50	Luer-Lock	30	4.669 398	43,88	30,72

Washing Brush with Long Handle, PP, hard



This Washing Brush is ideal for cleaning hard-to-reach surfaces on machines and equipment such as deep buckets, containers and tubs. It has a long handle and angled bristles that enhance cleaning efficacy.

- Food-safe
- For colour coding
- Autoclavable

-30%

Bristle length mm	Overall length mm	Width mm	Height mm	Colour	PK	Cat. No.	Price EUR	Now EUR
36	415	71	75	green	1	4.666 236	10,70	7,49
36	415	71	75	blue	1	4.666 237	10,70	7,49
36	415	71	75	red	1	4.666 238	10,70	7,49
36	415	71	75	white	1	4.666 239	10,70	7,49
36	415	71	75	yellow	1	4.666 240	10,70	7,49

Precision Wipes, KIMTECH SCIENCE, 1-ply



Exceptional Workplaces



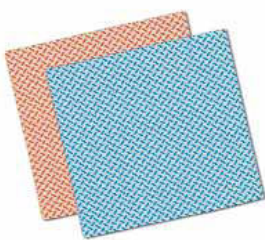
Lint-Free - For Demanding Cleaning Environments

Precision tissue wipes for critical cleaning in the electronic, optic and precision mechanics industries, lint-free, highly absorbent and strong, even when wet. 1-ply, white.

-29%

Dimensions mm	Package contents	PK	Cat. No.	Price EUR	Now EUR
304 x 304	Box of 196 wipes	1	9.413 020	16,10	11,42
115 x 215	Box of 280 wipes	1	9.413 021	7,25	5,08

Universal Dishwashing



Universal cloth:

Made from 80 % viscose and 20 % polyester. The universal cloth has a finely structured surface. It provides a cleaning result without streaks, is nearly lint-free and washable up to 95 °C.

Washing up liquid:

HS citro is a dish washing detergent for universal implementation with a fresh fragrance for porcelain, glass, plastic, and metal. Professional recipe with high grease dissolving strength and plant-based skin protecting additives. 1L

Sponge:

For cleaning any kind of incrustation.

-30%

Description	Colour	Dimensions mm	PK	Cat. No.	Price EUR	Now EUR
Universal cloth	blue/white	380 x 380	10	6.266 668	11,60	8,12
Universal cloth	red/white	380 x 380	10	6.266 669	11,60	8,12
Sponge	green/yellow	150 x 90 x 40	10	6.266 672	5,65	4,12
Sponge	green/yellow	95 x 70 x 45	10	6.266 673	2,85	2,07
Washing up liquid, 1L			1	6.266 678	2,90	1,44

Wipes, WypAll*L20/L30



Exceptional Workplaces



Perforated, blue Airflex* material. Bulky wipes with excellent absorption capacity and wet strength. For cleaning-up large spillages and suitable for most surfaces.

Material:

- L20: AIRFLEX*, 2-ply
L30: AIRFLEX*, 3-ply

-20%

Width mm	Length mm	Type	Package contents	Colour	PK	Cat. No.	Price EUR	Now EUR
235	380	L20	1 roll x 500 wipes	blue	1	9.413 054	11,70	9,36
330	380	L20	1 roll x 500 wipes	blue	1	9.413 044	14,50	12,59
205	380	L20	6 rolls x 300 wipes	white	6	9.413 091	68,90	57,41
330	380	L30	1 roll x 750 wipes	blue	1	9.413 046	47,70	39,67

Indicator Tape for steam, hot air and gas sterilisation



a b c

Crepe paper, adhesive. With indicator. Colour changes according to DIN EN ISO 11140-1. Rolls of 50 m.

-30%

With	colour change	Width	Figure	PK	Cat. No.	Price	Now
		mm				EUR	EUR
Steam indicator	white / brown	19	a	1	9.140 784	12,60	8,82
Steam indicator	white / black	25	a	1	9.140 789	10,80	7,56
Ethylene oxide indicator	red / green	19	b	1	9.140 792	11,30	7,91
Hot air indicator	green / brown	19	c	1	6.240 223	16,30	11,41

LLG-Autoclavable Bags, PP, with Biohazard printing

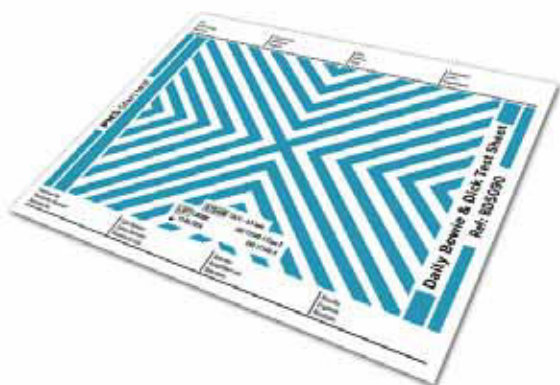


Autoclavable bags imprinted with biohazard labelling. Made of polypropylene. Strong side seams for securely holding items. Front write-on panel. Autoclavable. Red. With sterilisation indicator.

-30%

Capacity	Width	Length	PK	Cat. No.	Price	Now
L	mm	mm			EUR	EUR
20	500	600	200	6.285 813	109,00	76,30
40	630	890	200	6.285 814	204,00	142,80
80	910	1150	200	6.285 815	189,00	132,30

Bowie-Dick Test Pack



- Disposable, pre-assembled and ready to use test packs
- Designed for STEAM sterilisation at 134 °C - 3.5 minutes.
- Clean and accurate indicator colour change
- Indicator sheet can be kept as a permanent record
- Validated for 4 kg and 7 kg sterilization load

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Bowie-Dick-Test (4 kg)	48	6.272 290	192,10	134,47
Bowie-Dick-Test (7 kg)	24	6.272 291	114,30	80,01

Biological Indicators Attest™ for Control of Steam Autoclaves



- No external laboratory is required for performance evaluation
- Easy handling
- Reasonable to use after repairs or maintenance of autoclaves

Application:

- Program 3.5 minutes, holding time at 121 °C or 134 °C
- After sterilisation, break the vial in order to bring the nutrient solution into contact with the spore strip
- Results in 48 hours
- Meets EN ISO 11138 standard



-12%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Biological Indicators Attest™ for steam autoclaves, brown cap	100	6.089 578	250,00	221,00

Magnetic Stirrer LLG-uniSTIRRER 1

An **ultra-flat** inductive magnetic stirrer without heating with timer. The modern magnet coil technology consists only of non-moving parts and therefore guarantees a wear-free drive.

For a better mixing of samples it is possible to change the direction of rotation every 30 seconds.

- **Timer** (1 min to 99 min, infinitely)
- 100 % wear- and maintenance-free inductive drive
- LED-display for an exact adjustment of the rotation speed
- Digital regulated rotation speed
- Alteration of the stirring direction
- Protection class IP 65
- Stainless steel surface

Delivery includes: magnetic stirrer, power cable, adapters for UK and universal plug.

Specifications

Stirring positions:	1
Stirring quantity (H ₂ O):	0.8 l
Speed range:	15 ... 1500 min ⁻¹
Permissible ambient temperature:	5 ... 40 °C
Magnetic bar:	max. 25 mm
Display:	LED
Heating plate:	Ø 94 mm
Dimensions (W x D x H):	110 x 155 x 12 mm
Weight:	0.5 kg
Power supply:	100 ... 230 V, 50/60 Hz
IP code:	IP 65



- **Ultra-Flat- Automatic**
- **Changeable Rotation Direction**



Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniSTIRRER 1	Universal	1	6.263 420	169,00	118,30

Magnetic Stirring Bar behrotest, set 1 and 2



Set 1



Set 1: in a transparent box with hinged lid
Consisting of: 2x 20 x 6 mm, 2x 25 x 6mm, 2x 30 x 6 mm, 2x 40 x 8 mm, 1x 50 x 8 mm, 1x 60 x 9 mm

Set 2: in a transparent box with hinged lid including magnetic stirring bar retriever, length 245 mm
Consisting of: 1x 15 x 6 mm, 2x 20 x 6 mm, 2x 25 x 6mm, 1x 30 x 6 mm, 2x 40 x 8 mm, 1x 50 x 8 mm, 1x 60 x 9 mm

-5%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Set 1	1	6.267 317	30,80	29,32
Set 2	1	6.267 318	55,70	43,22

Beakers glass, DURAN®, low form



DIN 12331. ISO 3819. With approximate graduations and spout. With easy-to-read scale and large labelling field for easy marking. In fired-on, highly durable white ceramic. Due to the uniform wall thickness, it is suitable for use as a heating vessel. Glass Type I/neutral as per USP, EP and JP. With retrace code (Batch Identification, for all). Certificate available via the Internet. Autoclavable.



Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.	Price	Now
					EUR	EUR
50	42	60	1	9.013 017	6,70	4,69
100	50	70	1	9.013 024	6,75	4,73
150	60	80	1	9.013 029	7,10	4,97
250	70	95	1	9.013 036	7,35	5,15
600	90	125	1	9.013 048	9,70	6,79
1000	105	145	1	9.013 054	15,50	10,85

Overhead Stirrer Nanostar 7.5 digital



This powerful overhead stirrer delivers perfect basic functionalities. It has a compact, space-saving design and is easy-to-use.

- Operation via a stable rotary knob
- Hardened glass display for maximum visibility and chemical resistance
- Display clearly shows the rotational speed
- Regular software updates can be made rapidly and simply via the USB interface
- Chemical resistant housing
- Microprocessor-controlled speed governor for constant rotational speed, even with changes in viscosity
- 10 years warranty

Please order accessories separately.

Specifications

Stirring quantity max. (H ₂ O):	5 l
Max. viscosity:	4000 mPas
Motor rating input/output:	32 W/22 W
Speed range:	0/50 ... 2000 rpm
Max. torque:	7.5 Ncm
Display:	LED
Chuck range:	0.5 ... 8 mm
Dimensions (W x D x H):	53 x 130 x 147 mm
Weight:	0.8 kg
Protection class DIN EN 60529:	IP 54
Power supply:	100 ... 240 V, 50/60 Hz

-15%

Type	PK	Cat. No.	Price	Now
Nanostar 7.5 digital	1	6.311 510	759,00	645,15

Accessories



Please order the R 182 Cross Sleeve (Cat. No.: 9.224 292) separately.

-5%

Type	Description	PK	Cat. No.	Price	Now
R 1303	Dissolver stirring rotors, stainless steel 1.4404 (Ø 40 x 350 mm; Ø 8 stirring shaft)	1	9.197 007	359,00	341,77
R 1381	Propeller stirrer, 3 blades, stainless steel 1.4305 (Ø 45 x 350 mm / Ø 8 mm stirrer shaft)	1	9.197 021	259,00	246,57
R 1825	Plate stand (W x H: 200 x 316 mm, rod height 550 mm)	1	9.224 031	247,00	235,14

Overhead Stirrer LLG-uniSTIRRER OH2, digital



Cost-effective laboratory stirrer designed for simple stirring tasks for quantities up to 20 l (H₂O). Automatic speed adjustment in the range between 50 and 2200 min⁻¹ via microprocessor-controlled technology. Safety circuits ensure automatic cut-off in an anti-stall or overload situation. Actual and set speed are constantly monitored ensuring no undesired speed variations, even if the sample viscosity changes.

- Brushless, maintenance-free motor
- Digital speed display
- **Display for speed or torque changeable**
- Infinitely adjustable speed
- **Overload protection**
- Non-slippery mat
- Slim casing
- Quiet operation
- Error code display
- RS232 port

Stand:

Stainless steel stand incl. boss head, dimension (W x D x H): 200 x 310 x 780 mm, non-slippery mat

Stirrer:

4-blade propeller stirrer, stainless steel, shaft length 400 mm, stirrer diameter 50 mm

Scope of supply:

Overhead stirrer LLG-uniSTIRRER OH2, stand, non-slippery mat and 4-blade-propeller stirrer



Specifications

Max. stirring quantity (H ₂ O):	20 l
Speed range:	50 ... 2.200 min ⁻¹
Max. viscosity:	10.000 mPas
Motor rating input/output:	60/50 W
Speed display accuracy:	±3 min ⁻¹
Max. torque at stirring shaft:	40 Ncm
Display:	LCD
Chuck range:	0.5 ... 10 mm
Dimensions (W x D x H):	83 x 186 x 220 mm
Power supply:	110 ... 240 V, 50/60 Hz
IP code:	IP 21

-30%

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniSTIRRER OH2	EU	1	6.263 455	775,00	542,50
LLG-uniSTIRRER OH2	UK	1	6.263 456	775,00	542,50

Disposable Data Logger TempMate-S1



DOSTMANN electronic GmbH

The single-use data logger TempMate-S1 with its built-in USB connector, is the ideal solution for low-cost temperature monitoring of transports.

- Auto generating PDF and CSV format data report
- 110 days run time 16.000 measurements, 10 minute interval
- Reprogrammable with Tempbase Software free of charge
- Up to 5 alarm points configurable
- Integrated USB connector
- LED Alarm indicators
- Serial number sticker
- Inclusive certificate
- Food proof according to HACCP

Specifications

Temperature Range:	-30 ... 70 °C
Accuracy:	±0.5 °C at -20 ... +40 °C/±1.0 °C in remaining range
Resolution:	0.1 °C
Data Memory:	16.000 measurements
Recording Cycle:	110 days
Sampling Interval:	10 min
Shelf Life:	24 months
Dimensions (L x W x H):	80 x 47 x 7 mm
Weight:	14.6 g
IP code:	IP 67/NEMA 6
Certifications:	Calibration Certificate, EN 12830 S, T, C, D, 1

-5%

Type	PK	Cat. No.	Price	Now
TempMate-S1	1	6.285 049	EUR 25,00	EUR 23,80

LLG-General-Purpose Thermometers



LLG LABWARE

Enclosed-scale type, with eyelet. With uncoated, prismatic measuring capillary. Red spirit filling (except 9.235 265: blue).

-30%

Measuring range °C	Length mm	PK	Cat. No.	Price	Now
-10/0 ... +50	200	1	9.235 245	EUR 12,90	EUR 9,03
-10/0 ... +100	260	1	9.235 250	EUR 13,20	EUR 9,24
-10/0 ... +150	260	1	9.235 255	EUR 14,40	EUR 10,08
-10/0 ... +200*	300	1	9.235 260	EUR 16,70	EUR 11,69
-10/0 ... +250*	300	1	9.235 265	EUR 24,60	EUR 17,22

* Note: With these types the colour can fade after extended periods of use at higher temperatures.

Data Logger LOG32T



DOSTMANN electronic GmbH

! Ideal for Monitoring Storage and Transport

The LOG32T is perfectly designed for product transportation or storage applications. Ambient conditions in power plants.

- Memory size: 60 000 measurements
- Usable without software (default settings) (15-minute-interval, without alarm settings)
- Optional free of charge software download for alarm setting and free adjustable recording interval (30sec to 24h)
- Automatic PDF creation
- Battery lifetime > 3 years (recording interval > 15 minutes)
- Status and Alarm-LEDs, acoustic signal
- Includes wall mount
- HACCP (EN12830) conform
- IP65 watertight

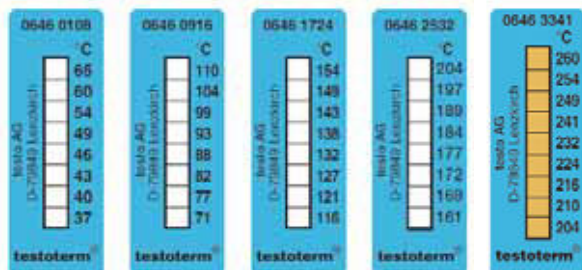
Specifications

Measuring range:	-40 ... +70 °C
Accuracy:	±0.5 °C (-10 ... +40 °C), otherwise ±1.0 °C
Resolution:	0.1 °C
Memory:	60 000 measurements
Interface:	USB (integr.)
Housing:	ABS
Dimensions (L x W x H):	100 x 19 x 19 mm
Weight:	70 g
Battery:	1 x 3.6 Volt Lithium ½ AA

-12%

Type	PK	Cat. No.	Price	Now
LOG32T	1	9.726 431	EUR 49,50	EUR 43,75

8-Step Irreversible Temperature Strips testoterm®



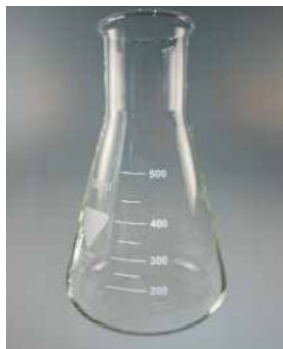
testo

Strips for 8 temperatures. 5 types cover the measuring range +37 to +280 °C, each strip displays 8 different temperatures. Each strip measures 50 x 18 mm.

-18%

Measuring range °C	PK	Cat. No.	Price	Now
+37 ... +65	10	9.246 002	EUR 23,00	EUR 18,94
+71 ... +110	10	9.246 003	EUR 23,00	EUR 18,94
+116 ... +154	10	9.246 004	EUR 23,00	EUR 18,94
+161 ... +204	10	9.246 005	EUR 23,00	EUR 18,94
+204 ... +260	10	9.246 006	EUR 23,00	EUR 21,23

Erlenmeyer flasks, Borosilicate glass 3.3



Narrow neck

DIN ISO 1773. With graduations and beaded rim.

Capacity	Neck diam.	Bottom diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
250	34	85	145	10	9.141 082	36,30	25,41
300	34	87	160	10	9.141 086	34,90	24,43
500	34	105	180	10	9.141 083	47,00	32,90
1000	42	131	220	10	9.141 084	76,20	53,34
2000	50	166	280	10	6.270 089	65,00	45,50

-30%

Wide neck

DIN ISO 24450. With graduations and beaded rim.

Capacity	Neck diam.	Bottom diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
250	50	85	140	10	9.141 182	37,00	25,90
300	50	87	156	10	9.141 183	45,20	31,64
500	50	105	175	10	9.141 184	49,70	34,79
1000	50	131	220	10	9.141 185	84,30	59,01
2000	69	166	280	10	6.270 181	61,00	42,70

-30%

LAB-Rings



Vinyl-coated lead rings will not mark or scratch benchtops and labware.

-30%

Type	For flasks ml	Int. diam. mm	PK	Cat. No.	Price	Now
					EUR	EUR
O-Shape	125 ... 500	48	1	6.243 010	27,90	19,53
O-Shape	250 ... 1000	51	1	6.242 742	30,90	21,63
O-Shape	500 ... 2000	57	1	6.243 011	34,80	24,36
C-Shape	125 ... 500	42	1	9.149 902	25,80	25,06
C-Shape	250 ... 1000	51	1	9.149 905	73,50	51,45
C-Shape	500 ... 2000	54	1	9.149 906	44,90	31,43

Digital Water Baths JB Nova

grant



- Dry Run Protection
- Simple and Intuitive Controls

General purpose water baths with stable temperature control, simple controls and fast heat up. A choice of 3 models with a base tray and lid included as standard.

- Ambient +5 °C to 95 °C
- Unique Set and Forget™ technology, fast reliable temperature control
- Stability ±0.5 °C
- Simple, intuitive controls, quick and easy to set temperature
- Drain tap on 12L and 18L baths
- Practical front panel lock - disables front panel controls preventing unintentional temperature changes
- 3-year warranty

Accessory polypropylene spheres or a lid must be used at temperatures between +60 °C and +99 °C. **Please order PP spheres separately.**

-9%

Type	Capacity of the bath litres	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
						EUR	EUR
JBN5	5	281 x 131 x 132	335 x 215 x 200	1	9.905 870	579,10	518,09
JBN12	12	308 x 281 x 132	360 x 380 x 225	1	9.905 871	649,00	590,93
JBN18	18	281 x 485 x 132	335 x 590 x 275	1	9.905 872	859,10	708,38

LLG-Floating Pellets, PP



Pellets with 20 mm diameter. Can cover 0.1 m². Resistant against most acids, bases, solvents and mineral oils. Temperature stable up to +100 °C.

-30%

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

Digital Burettes, VITLAB® continuous



VITLAB
Competence in Labware



The Continuous series can be used for titration agents up to a concentration of 1 Mol/l.

- Pulse-free dispensing technique for continuous and quick titration
- patented recirculation valve avoids reagent waste
- Clear and precise display of titrated volume
- Dispensing volume per hand wheel revolution: 2.5 ml (Continuous E), 5.0 ml (Continuous RS)
- Device can be rotated on the bottle 360°, GL 45
- Adapters for drying tube and filter
- Certificate of conformity according to DIN 12600
- Battery-operated, easily replaceable micro-batteries (1.5 V)

Supplied with: Burette continuous, 3 PP adapter (GL 32, GL 38, S 40), 1 telescopic suction tube, 1 telescopic discharge tube, 2 micro batteries 1.5 V (LR 03/AAA), manual, quality certificate.

-18%

Type	Capacity	Capacity/U	Accuracy	Precision	PK	Cat. No.	Price	Now
	ml	ml	(± R%)	(≤ CV%)			EUR	EUR
E	2.5	2.5	0,2*	0,1*	1	9.284 020	684,70	558,67
RS	5.0	5.0	0,2*	0,1*	1	9.284 021	684,70	558,67

* Accuracy and Coefficient of variation according to DIN EN ISO 8655-3

Automatic Burettes with splinter protection, Schilling pattern, borosilicate glass 3.3

burkle



Burette according to Dr. Schilling with splinter protection, with Schellbach stripes, automatic zero point extraction and Bürkle dosing device.

- With splinter protection
- Adjusted to Ex
- Shatterproof, resistant to chemicals
- Exact spout tip, fine droplet formation
- Parts in contact with the medium: PE, natural rubber, PP, Borosilicate glass

-12%

Capacity	Grad.	Tolerance	Height	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
15	0.1	0.045	520	1	6.280 403	60,60	53,53
25	0.1	0.045	650	1	6.280 404	60,60	53,53
50	0.1	0.075	920	1	6.280 405	68,50	60,51

Automatic Titrators TitroLine® 5000

SI Analytics



- **Ideal for Food Analysis**
- **Exchangeable Dosing Unit**

Very compact titrator for simple routine titrations. No need to create methods, thanks to the standard methods. Just load the method and press the start button. GLP compliant results with titration curve can be documented on a connected printer or USB-memory stick.

Following titration modes are possible:

- Titrations to pH, mV and μ A endpoint (2 EP)
- Titrations to one equivalence point (pH und mV) with dynamic or linear titration addition
- Manual titrations with the controller
- Dosing tasks
- Number of methods: 5

Supplied with:

TL 5000/20 M2: Basic instrument with pH combination electrode and buffer set, with ready-to-use 20 ml dosing unit TZ 3130 with tubes, screw connections and titration tip, magnetic stirrer TM 50, hand switch TZ 3880, titration clamp Z 305, support rod TZ 1748 and power supply 100-240 V

TL 5000/50 M2: as TL 5000/20 M2, but with 50 ml dosing unit TZ 3160 mounted ready for use

Specifications

Measuring input electrode:	with DIN or BNC socket
Measuring input Pt 1000:	Temperature sensor connection (socket: 2 x 4 mm)
Keyboard:	optional PC-keyboard (USB)
Display:	graphics-capable TFT display
Dosing units:	20 or 50 ml, interchangeable
Dosing accuracy:	systematic error 0.15 %, random error 0.05 % in compliance with EN ISO 8655-6
Supply requirements:	230 V, 50/60 Hz
Conformity:	ISO 8655, part 6

Type	PK	Cat. No.	Price
			EUR
TL 5000/20 M2	1	9.863 186	2.968,20
TL 5000/50 M2	1	9.863 187	2.968,20

Micro Centrifuge Microspin 12



- Fixed angular aluminium rotor accommodates 12 x 1.5/2 ml microtubes, supplied with 12 adapters for 0.2 ml and 0.5 ml tubes and fixing lid
- Timed operation with automatic switch-off
- Suitable to use in cold rooms, operating temperature ambient +4 °C to 25 °C
- Metal protective inserts inside the lid and casing, automatic imbalance switch-off and locking of a lid provide safe operation
- Constant airflow around the rotor reduces risk of samples overheating during centrifugation
- Simple push-buttons and a clear 2-line LCD status display shows actual and set values of time, set and actual speed and relative centrifugal force (g-force)
- Low voltage cord easily fits through refrigerator or workstation door gaskets



Specifications

Max. RCF:	12.400 x g
Max. speed:	14.500 rpm
Max. capacity:	12 x 0.2/0.5/1.5/2 ml tubes
Timer:	1 to 30 min
Power consumption:	60 W
Dimensions (W x D x H):	200 x 240 x 125 mm
Weight:	3.5 kg
Power supply:	230 V, 50/60 Hz

-21%

Type	PK	Cat. No.	Price	Now
Microspin 12	1	9.721 003	955,00	755,59

Mini Centrifuge LLG-uniCFUGE 3 with timer and digital display

A compact and reasonably priced mini centrifuge with brushless and non-wearing high-efficiency motor. Microprocessor controlled regulation for load-independent accuracy and integrated imbalance control. High speed constancy for reproducible results. Quick stop when the lid is opened. 2 flow-optimised rotors reduce noise level and heat generation.



The following types of vessel can be used:

- 8 x 1.5 ml micro tubes
- 8 x 2 ml micro tubes
- 16 x 0.2 ml micro tubes

By using the fitting adapter:

- 8 x 0.4 ml micro tubes
- 8 x 0.5 ml micro tubes

Scope of supply: Centrifuge, rotor for 8 x 1.5/2 ml tubes, rotor for 16 x 0.2 ml tubes, adapter for 8 x 0.2/0.4/0.5 ml tubes



Specifications

Max. RCF:	2000 x g
Max. speed:	variable up to 6000 rpm
Motor:	brushless DC motor
Max. load:	8 x 1.5/2 ml or 16 x 0.2 ml PCR tubes
Timer:	0 ... 25 min, continuous
Dimensions (diam. x H):	160 x 116 mm
Weight:	1.1 kg
Power supply:	100 ... 240 V, 50/60 Hz

-30%

Description	Plug type	PK	Cat. No.	Price	Now
LLG-uniCFUGE 3	EU	1	6.263 520	279,00	195,30
LLG-uniCFUGE 3	UK	1	6.263 521	279,00	195,30

LLG-Microcentrifuge Tubes, PP



Certified DNase-, RNase and pyrogen free. Clear, in bags. Suitable for microbiology.

Specifications

Autoclavability

Temperature:	121 °C
Pressure:	1.05 bar or 15 psi
Time:	20 min or less

Centrifugation

Fixed angle rotor:	25000 x g
Swing out rotor:	70000 x g

-30%

Form	Volume	Max.	PK	Cat. No.	Price	Now
	ml	rcf			EUR	EUR
conical	0.5	20000	1000	9.409 023	22,00	15,40
conical	1.5	25000	1000	9.409 024	19,20	13,44
round	2.0	25000	1000	9.409 025	21,50	15,05

LLG-Microtube Racks, PP, 80-well



NEW

Made of Heavy-duty Polypropylene. Designed to hold 1.5 ml/2.0 ml microtubes (5 x 16 arrays) in a temperature range from -80 °C to 121 °C. Moulded numbers on the surface for easy samples identification. Suitable for autoclaving at 121 °C.

-30%

Colour	PK	Cat. No.	Price	Now
			EUR	EUR
yellow, red, blue, orange, green (Set)	5	4.672 062	20,00	14,00
yellow	5	4.672 063	20,00	14,00
red	5	4.672 064	20,00	14,00
blue	5	4.672 065	20,00	14,00
orange	5	4.672 067	20,00	14,00
green	5	4.672 068	20,00	14,00

Thermo Shaker Matrix Orbital Δ



Reliable Penetration of Even the Smallest Samples



Matrix Orbital F2.0

Matrix Orbital FP

Powerful thermoshakers available for samples with smallest volumes for temperatures up to 100 °C .

- Two different speed modes for optimal mixing
- Speed adjustment according to insert, attachment and filling volume
- Robust Aluminum die cast housing

Specifications

Type of movement:	orbital
Orbit:	1.5 mm
Speed range:	300 ... *1500/2000 rpm
Temperature range:	ambient +5 ... 100 °C
Temperature control:	1 ±K
Uniformity:	0.5 °C
Programs:	2
Timer:	1 s ... 6000 min
Dimensions (W x D x H):	220 x 350 x 150 mm
Weight:	9.5 kg
Power consumption:	100 W
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 21

-5%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
Matrix Orbital Δ F0.5	fix attachment, 24 x 0.5 ml	1	4.664 742	2.299,00	2.188,65
*Matrix Orbital Δ F1.5	fix attachment, 24 x 1.5 ml	1	4.664 740	2.299,00	2.188,65
*Matrix Orbital Δ F2.0	fix attachment, 24 x 2.0 ml	1	4.664 743	2.299,00	2.188,65
Matrix Orbital Δ FP	fix attachment, 1 x microplate	1	4.664 741	2.299,00	2.188,65

Mini Shaker Matrix Orbital



Speed Range up to 3000 rpm



Powerful thermoshaker available for samples with smallest volumes.

- Two different speed modes for optimal mixing
- Speed adjustment according to insert, attachment and filling volume
- Robust Aluminum die cast housing

Scope of supply: Shaker, 3 inserts (1 x 0.5 ml vessels, 1 x 1.5/2.0 ml vessels and 1 x 0.2 ml PCR vessels)

Specifications

Type of movement:	orbital
Orbit:	3 mm
Speed range:	300 ... 3000 rpm
Power consumption:	80 W
Max. permitted shaking weight (incl. attachment):	0.3 kg
Timer:	1 s ... 6000 min
Permissible ambient temperature:	5 ... 40 °C
Permissible relative moisture:	80 %
Dimensions (W x D x H):	198 x 318 x 124 mm
Weight:	7.2 kg
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 21

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Matrix Orbital	1	4.664 739	1.699,00	1.617,45

Inserts

-15%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Insert for 0.5 ml reaction vessels	1	4.672 035	39,00	33,15
Insert for 1.5 /2.0 ml reaction vessels	1	4.672 036	39,00	33,15
Insert for 0.2 ml PCR vessels	1	4.672 037	39,00	33,15

Mini Vortex Mixer

Mini Vortex Mixer with variable speed, Auto/Off/On rocker switch, continuous operation or TOUCH mode.

Scope of supply:

Vortexer incl. Cup head and 76 mm head with cover

Specifications

Type of movement:	orbital
Orbit:	4.9 mm
Permissible ambient conditions:	4 to 40 °C
Dimensions (L x W x H):	211 x 122 x 165 mm
Weight:	4.5 kg
Power supply:	230 V, 50/60 Hz



-8%

Type	Min. speed rpm	Max. speed rpm	PK	Cat. No.	Price	Now
					EUR	EUR
VXMNAL	500	2500	1	4.659 499	165,00	152,59

LLG Buchner Funnels, porcelain



-30%

For filterpaper diam. mm	Capacity ml	PK	Cat. No.	Price EUR	Now EUR
45	35	1	6.239 903	16,10	11,27
55	70	1	6.237 328	18,80	13,16
70	120	1	6.231 541	22,30	15,61
90	240	1	9.252 500	38,30	26,81
110	400	1	9.252 501	47,80	33,46

Filter Funnels, PP, Buchner



Kartell



PP. Two-piece construction. Top and bottom sections can be separated. Easy to clean. Autoclavable. Suitable for foodstuff.

-30%

For filterpaper diam. mm	Capacity ml	PK	Cat. No.	Price EUR	Now EUR
55	70	1	9.252 331	13,90	9,73
70	180	1	9.252 332	14,30	10,01
90	390	1	9.252 334	24,20	16,94
110	810	1	9.252 335	32,90	23,03

Vacuum Adapter NS, PTFE



For safe assembly of standard filter funnels, made of glass or plastic, on laboratory bottles. With Lateral 2-step hose connector for connection to a vacuum pump. Pass-through with O-ring made of FKM. FDA conform. Chemikally resistant. Autoclavable.

For funnel outlet diam. mm	Joint size (NS)	PK	Cat. No.	Price EUR
8	14/23	1	4.670 724	84,63
11	19/26	1	4.670 725	49,98
22	29/32	1	6.273 419	53,37
22	45/40	1	4.670 723	116,08

LLG-Filtering Apparatus, borosilicate glass



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 ml	PK	Cat. No.	Price EUR	Now EUR
1000	1	6.291 850	329,00	230,30
2000	1	6.291 851	379,00	265,30

LABORTOPS

Diaphragm Vacuum Pumps LABOPORT® N96/N820G/N840G, chemically-resistant

The Pumps have a manual rotational speed control, they are quiet, very energy efficient, and can be optimally adjusted in accordance with the application. With easy-to-clean surface.

Mini-Diaphragm vacuum pumps LABOPORT® N96:

- Combines a high flow rate with a very small footprint
- Suitable for filtration, SPE, and liquid aspiration using a vacuum
- PTFE-coated diaphragm for use with aggressive/corrosive gases and vapors

Diaphragm vacuum pumps LABOPORT® N820G/N840G:

- With control knob for manual adjustments of the flow rate for a wide variety of applications, e.g. rotary evaporation, distillation, gel drying, degassing as well as the use with vacuum ovens and vacuum concentrators
- Combination of PTFE pump head and PTFE-coated diaphragm makes the pump ideal for extremely aggressive/corrosive gases and vapours
- High level of compatibility with vapor and condensation
- Integrated gas ballast valve
- 3-colour status display: In operation/Stand-by/Error
- ATEX-compliant in accordance with II 2/-G IIB+H2 T3 internal atmosphere only
- 100% oil-free transfer to ensure uncontaminated transfer, evacuation and compression
- Optional: Easily expandable with separators and/or condensers

Specifications

	N96 N820G N840G
Ultimate vacuum:	<130 mbar 6 mbar 6 mbar
Operating pressure:	2.5 bar 0.1 bar 0.1 bar
Flow rate:	7 l/min 20 l/min 34 l/min
Connectors for tube:	ID 6 mm ID 9/10 mm ID 9/10 mm
Permissible ambient temperature:	5 ... 40 °C
Pump head:	PPS PTFE PTFE
Diaphragm:	PTFE coated
Valves:	FKM FFPM FFPM

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR
N96	75 x 156 x 119	1	4.672 374	395,00
N820G	163 x 259 x 220	1	4.672 375	1.680,00
N840G	177 x 289 x 240	1	4.672 376	1.850,00



- Developed with Users and Experts
- PTFE coated Membrane and Pump Head

LLG-Vacuum Measuring Instrument DVR 2 pro

Versatile vacuum gauge for vacuum measurement between atmospheric pressure and 1 mbar. With integral, alumina ceramic, pressure transducer providing excellent corrosion resistance and long-term stability.

DKD initial delivery calibration (Cat. No. 7.059 540) please order separately. Delivery with connections for small flange D16, tubes 6-10 mm inside diameter.

Specifications

Measuring range:	1080 to 1 mbar (hPa), 810 to 1 Torr
Measurement principle:	Capacitive; gas type-independent absolute pressure measurement
Measuring accuracy:	< 1 mbar (0.75 Torr) ±1 digit
Power supply/battery:	9 V battery
Dimensions (W x D x H):	115 x 115 x 66 mm
Weight:	0.40 kg



Type	PK	Cat. No.	Price EUR
DVR 2 pro	1	6.263 582	510,49