

LABORTOPS

valid until 31.03.2023



Vortexer LLG-uniTEXER multi



- Adjustable speed
- New Design
- One attachment for different tubes

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LLG-Safety vented wash bottles, 500 ml, LDPE



- Wide mouth wide neck wash bottles featuring the patented DripLok® vapour venting valve that prevents solvent drips
- Indelibly printed
- Choose from 4 solvent labels all including the new Globally Harmonised Symbols, NFPA diamond, risk phrases and safety information
- Fitted with colour coded, one-piece polypropylene closures that maintain their shape in use
- Closures feature precision jet-tip aperture for fine control

-30%

Print	Colour	Language	PK	Cat. No.	Price	Now
					EUR	EUR
Acetone	red	SP/FR/D/UK	1	9.223 491	9,30	6,51
Acetone	red	NL/GR/IT/UK	1	4.663 289	9,30	6,51
Methanol	orange	SP/FR/D/UK	1	9.223 492	9,30	6,51
Methanol	orange	NL/GR/IT/UK	1	4.663 292	9,30	6,51
Isopropanol	yellow	SP/FR/D/UK	1	9.223 493	9,30	6,51
Isopropanol	yellow	NL/GR/IT/UK	1	4.663 291	9,30	6,51
Ethanol	green	SP/FR/D/UK	1	9.223 494	9,30	6,51
Ethanol	green	NL/GR/IT/UK	1	4.663 290	9,30	6,51

Bottles, wide-mouth, PE/PP, graduated



Kartell



PE



PP

- Conform to DIN 13316 and 168
- Food-safe

-30%

Capacity	Grad.	Material	Neck thread	PK	Cat. No.	Price	Now
ml	ml		GL			EUR	EUR
50	10	PE	32	10	6.323 780	30,00	21,00
100	20	PE	32	10	6.323 776	35,00	24,50
250	25	PE	45	10	6.323 778	47,00	32,90
500	100	PE	45	5	6.323 782	26,00	18,20
1000	100	PE	63	1	9.072 978	8,95	6,27
2000	100	PE	63	1	9.072 979	13,90	9,73
50	10	PP	32	10	6.323 781	31,50	22,05
100	20	PP	32	10	6.323 777	34,00	23,80
250	25	PP	45	10	6.323 779	47,00	32,90
500	100	PP	45	5	6.323 783	26,00	18,20
1000	100	PP	63	1	9.073 034	8,95	6,27
2000	100	PP	63	1	9.073 035	14,20	9,94

LLG-Trolleys, Stainless Steel

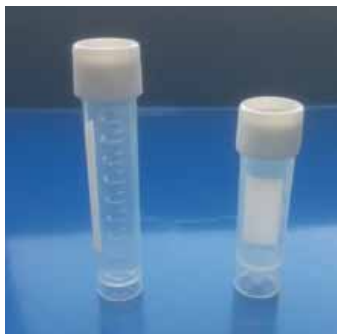


The LLG transport trolley is made of CNS 18/10 stainless steel, material no. 1.4301. The load capacity per shelf is 80 kg.

-25%

Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
				EUR	EUR
2 shelves, vertical spacing 585 mm	900 x 600 x 950	1	9.148 101	329,00	246,09
3 Shelves, vertical spacing 275 mm	900 x 600 x 950	1	9.148 104	382,00	294,17

LLG-Transport tubes, PP, with screw cap



- With conical bottom and free standing
- Printed graduation
- 1 1/4 turn thread design for super fast screwing

-30%

Capacity	Outer diam.	Height with cap	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
5	16	60	100	6.265 667	15,50	10,85
10	16	80	100	6.265 668	17,00	11,90

Vortex mixers ZX4/WIZARD/TX4 with IR sensor

! Easy to use



Vortex mixers with patented IR sensor for sample recognition: the shaking process starts automatically when the sample tube approaches the mixing cup head. This enables fatigue-free working, as the sample doesn't have to be pressed on the device.

- For IR sensor and continuous operation
- Electronic speed control
- Adjustable shaking speeds up to 3000 rpm
- Very good chemical resistance
- Broad range of accessories available

ZX4: Analog vortex mixer

WIZARD: Compact, analogue vortex mixer

TX4: Digital vortex mixer with timer and LCD display

Scope of delivery: Vortex mixer with mixing head

Specifications

Type of movement:	orbital
Orbital diameter:	4.5 mm
Speed range:	0 ... 3000 rpm
Input power:	15 W
IP code:	IP 42
Power supply:	100 ... 240 V, 50 ... 60 Hz
Warranty:	3 years

-11%

Type	Net weight	Plug type	PK	Cat. No.	Price	Now
	kg				EUR	EUR
ZX4	2.7	EU	1	7.971 461	208,00	184,43
WIZARD	2.2	EU	1	4.666 536	242,00	203,42
TX4	2.7	EU	1	4.666 537	293,00	259,99

Vortexer LLG-uniTEXER multi

- !**
- Versatile
 - Adjustable speed
 - Robust housing made of ABS



NEW

WARRANTY
3
YEARS



One head - multiple uses - modern design

The new LLG-uniTEXER multi enables vortexing of different tubes without the need to use an additional adapter. The carrier head accommodates e.g. 1 x assay plate, 2 x 50 ml conical tubes, 2 x 15 ml conical tubes, 2 x 5 ml conical tubes, 4 x 1.5/2 ml microcentrifuge tubes, 6 x 0.5 ml and 24 x 0.2 ml microcentrifuge tubes.

The LLG-uniTEXER multi can be operated in continuous mode or touch function for short-term operation. Made of durable, easy to clean ABS and equipped with stable elastomer feet to stabilize the unit and dampen vibrations.

- Stepless speed adjustment from 0 to 3000 rpm
- Touch function for short-term operation
- Very easy to clean
- Elastomeric feet ensure excellent stability on the bench
- Updated modern design
- Robust housing made of ABS

Scope of supply: Vortexer, 1 x universal attachment, manual

Specifications

Type of movement:	Orbital/vortex
Orbital diameter:	3.7 mm
Speed range:	0 ... 3000 rpm
Dimensions (W x D x H):	171 x 190 x 197 mm
Weight:	3.9 kg
Power supply:	220 ... 240 V, 50 ... 60 Hz

-24%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniTEXER multi	EU	1	6.263 507	259,00	195,68
LLG-uniTEXER multi	UK	1	6.263 508	259,00	195,69

LLG-Centrifuge Tubes economy, PP

- With flat PE caps
- Easy-to-read black volume graduations
- With a large frosted writing area
- Engraved graduation at the conical bottom of each tube
- Max. rotate speed up to 12000 x g for conical bottom tubes and 6000 x g for self-standing tubes
- Autoclavable at 121 °C and freezable to -80 °C
- Leak-proof
- Free of heavy metals, pyrogens and endotoxins, DNase/RNase-free



-30%

Capacity	Description	Form	PK	Cat. No.	Price	Now
ml					EUR	EUR
15	in bag of 25 pieces*	conical	500	4.668 482	102,00	71,40
50	in bag of 25 pieces*	conical	500	4.668 483	126,00	88,20
50	in bag of 25 pieces*	with rim	500	4.668 486	140,00	98,00
15	Aseptically, bulk pack	conical	500	6.270 403	116,50	81,55
50	Aseptically, bulk pack	conical	500	6.270 404	129,30	90,51
50	Aseptically, bulk pack	with rim	500	6.270 405	155,00	109,13

* sterile

Ladies laboratory coat Type 81509, 100 % cotton

With long sleeves and fitted waist. Reversible collar, concealed stainless steel press buttons, 1 outside breast pocket left, 2 side pockets with diagonal access, straight sleeve seam with press buttons for width adjustment, Öko-Tex Standard 100.



Material: 100 % cotton
Colour: White
Weight: approx. 210 g/m²
Length: approx. 105 cm

-30%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
36	1	9.414 351	48,61	34,03
38	1	9.414 352	48,61	34,03
40	1	9.414 353	48,61	34,03
42	1	6.323 052	48,61	34,03
44	1	9.414 355	48,61	34,03
46	1	9.414 356	48,61	34,03
48	1	9.414 357	53,47	37,43
50	1	6.281 761	53,47	37,43
52	1	6.281 762	53,47	37,43

Disposable Gloves Kimtech™ Purple Nitrile™, Powder-free

EN ISO 374-1
Type B

EN ISO 374-5 EN 420



Exceptional Workplaces



- Free from natural rubber-(latex)
- Textured fingertips for good grip in wet and dry conditions
- Cuff with rolled edge for added strength and easier donning
- AQL 0.65
- **Cat. III Low Chemical resistant**

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

-30%

Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
S (6 to 7)	240	100	9.005 421	43,40	30,38
M (7 to 8)	240	100	9.005 422	43,40	30,38
L (8 to 9)	250	100	9.005 423	43,40	30,38
XL (9 to 10)	250	90	9.005 424	43,40	30,38

Safety Eyeshields uvex i-lite 9143



- **Fog-free**
- **Extremely scratch-resistant and chemical-resistant**

- Large, flat lens delivers unrestricted field of vision
- X-tended sideshield offers additional protection from hazards
- Side arms with multi-incline points
- Ergonomically shaped side arms provide a secure fit without pressure
- Robust polycarbonate lens with uvex's proven supravision coating technology for permanent anti-fog and scratch-resistant lens
- UV400, 100 % protection against dangerous UVA and UVB radiation up to 400 nm
- Metal-free
- EN 166 + EN 170

NEW



-30%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
anthracite, blue	PC clear/UV 2C-1.2	1	4.686 671	20,90	14,63
anthracite, lime	PC grey/UV 5-2.5	1	4.686 674	23,10	16,17
anthracite, turquoise	PC clear/UV 2C-1.2	1	4.686 677	23,98	16,79

LLG-Disposable Gloves *Standard*, Nitrile, Powder-Free

EN ISO 374-1

Type B

EN ISO 374-5 EN 421 EN 420



Disposable protective glove in nitrile with enhanced comfort in use and greater chemical protection - the standard glove for the laboratory.

- **Comfortable to wear**
- **Good tactile sensitivity**
- Tried and tested quality product made of nitrile - excellent resistance to skin irritants in foodstuffs
- **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.

You can find the appropriate compatibility list on www.llg-labware.com in the Downloads section.

Glove shape:

flat with rolled edge (ambidextrous)

Material:

nitrile

Colour:

blue

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	21,40	14,98
M	100	9.006 376	21,40	14,98
L	100	9.006 377	21,40	14,98
XL	90	9.006 378	21,40	14,98

Disposable spill kit SKH-MINI emergency kit

The SKH-MINI kit is a disposable emergency kit for quickly cleaning up small chemical spills (up to 1.7 litres). The wipes easily absorb the spilled chemicals. There is no risk of injury.

Scope of delivery:

- 2 pads 41 cm x 51 cm
- 1 pair of disposable chemical protective gloves
- 1 autoclavable disposal bag
- 1 disposable brush
- 1 multilingual instruction guide



-25%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
SKH-MINI-Set	1	9.404 080	24,90	18,65

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
			EUR	EUR
LLG-Visitors gown	50	6.282 796	79,50	55,65

Eye Wash Bottle, 0.9 % NaCl, Sterile



- Choice of 0.2 litre (washing time approx. 2 minutes) or 0.5 litre (washing time approx. 5 minutes) bottles
- Duo wash bottle for both eyes 1000 ml (washing time approx. 5 minutes)
- Ergonomic eye cup - keeps the eyes open during application
- Saline solution (0.9 %), conforming to the natural salinity of the eye
- According to DIN EN 15154-4
- Shelf life: 3 years

-21%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
Eye wash bottle 0,9 % NaCl, 200 ml	1	9.733 794	10,80	7,56
Spare eyewash bottle, 0,9 % NaCl, 500 ml	1	9.733 793	14,90	10,43
Eye wash bottle DUO 0,9 % NaCl, 1000 ml	1	6.240 397	28,10	22,15

Manual Serial Dispenser
LLG-uniDISPENS pro



- Compatible with various tips
- Cost-efficient high quality



The **ergonomically designed** manual dispenser LLG-uniDISPENS pro enables single-handed volume selection, loading and dispensing. Due to its lightweight design, 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. **Dosing volume 1 µl to 5500 µl.**

Scope of supply: Dispenser, adapter for 25 ml tips, 3 years warranty



Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-uniDISPENS pro	1	9.284 239	225,00	164,50

LLG-Pasteur Pipettes, PE



Manufactured from transparent PE.
Graduated.



Type	Capacity	Length	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
non-sterile	1	150	500	4.672 670	24,30	17,01
non-sterile	3	150	500	4.672 671	18,80	13,16

Dispenser Tips Ritips® Evolution



Universal dispenser tips for a variety of steppers. The nine 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

Please note: Dispenser tips 25 ml and 50 ml cannot be used without adapter. If necessary, please order Cat. No. 6.323 444 or 6.310 548 separately.



Type	PK	Cat. No.	Price	Now
			EUR	EUR
0.1 ml / standard	100	6.291 326	86,90	60,83
0.2 ml / standard	100	6.291 327	86,90	60,83
0.5 ml / standard	100	6.291 328	86,90	60,83
1.0 ml / standard	100	6.291 329	86,90	60,83
2.5 ml / standard	100	6.291 330	86,90	60,83
5.0 ml / standard	100	6.291 331	86,90	60,83
10.0 ml / standard	100	6.291 332	86,90	60,83
25.0 ml / standard	25	6.291 333	24,48	17,14
50.0 ml / standard	25	6.291 334	25,03	17,52

LLG-Disposable Reagent reservoirs economy, PS



Angled sides and a V-shaped bottom allow maximum recovery of reagents. All reservoirs have internal graduated volume lines and pour-spouts on the corners. 25 ml or 50 ml versions.

- DNase-, RNase- and pyrogen-free certified



Description	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
non-sterile, bulk	25	100	6.282 144	67,50	47,25
sterile, single packed	25	100	6.282 145	122,00	92,40
non-sterile, bulk	50	100	6.282 146	86,90	60,83
sterile, single packed	50	100	6.282 147	172,20	120,54

Bottle top burette Titrette®



- High accuracy
- Compact design, lightweight and stable
- Easy maintenance and cleaning



For quickly and reliably titration with highest precision, even in close quarters, with no mains supply needed - in the lab, in production, or in the field!

- High accuracy
- Smooth-running operation for sensitive, drop-wise titration and fast filling of the device
- Compact design
- No switching between fill and titrate
- Simple maintenance

Items supplied: Titrette® bottle-top burette, DE-M marking, performance certificate, telescoping filling tube (170 to 330 mm), recirculation tube, 2 x 1.5 V batteries (AAA/UM4/LR03), 4 x PP bottle adapters (GL45/32, GL 45/38, GL 45/S40 and GL32/NS 29/32), 2 coloured light shield inspection windows, operating manual

-8%

Volume	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	PK	Cat. No.	Price	Now
ml					EUR	EUR
10	0.10	0.05	1	6.259 209	839,20	776,10
25	0.07	0.025	1	9.271 332	839,20	776,10
50	0.06	0.02	1	9.271 333	839,20	776,10

Laboratory bottles, Borosilicate glass 3.3, GL45, with retrace code

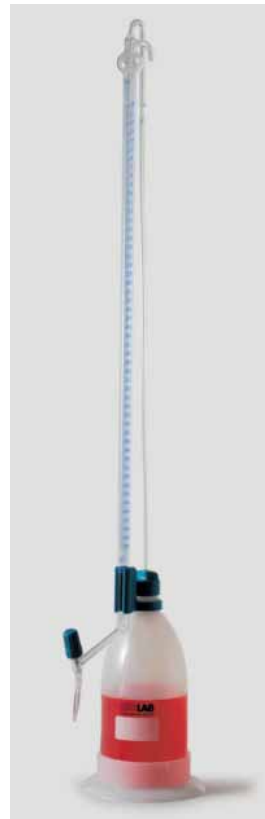


DIN 168 - 1. EN ISO 4796-1. With graduations and retrace ring, pouring ring, PP screw cap with ISO thread. Certificates are available on request.

-30%

Capacity	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
100	56	100	10	9.072 331	44,30	31,01
250	70	138	10	9.072 332	49,10	34,37
500	86	176	10	9.072 334	62,50	43,75
1000	101	225	10	9.072 335	81,70	64,19
2000	136	260	10	9.072 336	251,10	175,77

Automatic burettes, schilling pattern, borosilicate glass 3.3/LDPE



- Clear glass, schellbach, blue graduated
- The entire system consists of a burette tubing with automatic zeroing system together with a valve stopcock, a reservoir bottle and a bottle stand.
- 10 ml burette has a polyethylene reservoir bottle of 500 ml volume whereas 25 and 50 ml burettes are used with bottles of 1000 ml volume.



-30%

Capacity	Grad.	Tolerance	PK	Cat. No.	Price	Now
ml	ml	± ml			EUR	EUR
10	0.05	0.030	1	4.008 314	96,20	67,34
25	0.10	0.050	1	6.241 904	93,10	65,17
50	0.10	0.050	1	4.008 315	94,70	66,29

Bottle carrier, PP



For 6 bottles up to max. diam. 95 mm. Food-safe.

-17%

Array	External dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
				EUR	EUR
6	210 x 305 x 310	1	6.076 356	14,60	12,14

Single channel microliter pipettes Acura® manual 825, variable



SOCOREX
SWISS



This pipette line was developed with the highest customer demands in mind.

- User-friendly, slim shape, low weight
- Justip™ tip adjustment concept, patented
- Integrated InLab calibration system, patented
- Fully assembled autoclavable at 121 °C
- 3 years warranty

-20%

Capacity µl	Increments µl	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	PK	Cat. No.	Price EUR	Now EUR
0.1 - 2	0.002	2.0	1.5	1	9.411 590	245,60	197,59
0.5 - 10	0.01	1.0	0.5	1	9.411 591	245,60	197,59
1 - 10	0.01	1.0	0.7	1	9.411 592	220,90	184,97
2 - 20	0.02	1.0	0.5	1	9.411 593	220,90	184,97
5 - 50	0.1	1.0	0.4	1	9.411 594	220,90	184,97
10 - 100	0.1	0.8	0.2	1	9.411 595	220,90	184,97
20 - 200	0.2	0.6	0.2	1	9.411 596	220,90	184,97
100 - 1000	1	0.5	0.2	1	9.411 597	220,90	184,97

Pipette stands Twister™ universal 336 for single channel microliter pipettes

SOCOREX
SWISS



Unique design 6-position pipette work station with great characteristics. Model fits six pipettes of most brands providing for an ideal storage solution in any laboratory. Available in seven translucent colours. Discs are exchangeable.

-11%

Colour	PK	Cat. No.	Price EUR	Now EUR
Sapphire blue	1	6.253 916	105,60	93,70
Emerald green	1	6.253 917	105,60	93,70
Topaz orange	1	6.253 918	105,60	93,70
Quartz grey	1	6.253 919	105,60	93,70
Ruby red	1	6.253 920	105,60	93,70
Diamond white	1	6.253 921	105,60	93,70
Citrine yellow	1	6.253 922	105,60	93,70

Multichannel microlitre pipettes Acura® manual 855, variable



SOCOREX
SWISS



- 8- and 12-channel models up to 350 µl
- Precision digital display visible at all times
- 360° rotation of volumetric module
- Adjustable tip ejector fitting most tips
- Integrated user calibration system
- Autoclavable at 121 °C/250 °F
- Three-year warranty

-20%

Channels	Capacity µl	Increments µl	Tip µl	PK	Cat. No.	Price EUR	Now EUR
8	0.5 - 10	0.01	10	1	9.411 630	622,30	508,67
8	5 - 50	0.1	200	1	9.411 631	592,60	476,72
8	10 - 100	0.1	200	1	6.286 775	592,60	476,72
8	20 - 200	0.2	200	1	9.411 632	592,60	476,72
8	40 - 350	0.4	350	1	9.411 633	592,60	476,72
12	0.5 - 10	0.01	10	1	9.411 634	728,40	586,02
12	5 - 50	0.1	200	1	9.411 635	680,30	547,35
12	20 - 200	0.2	200	1	9.411 636	680,30	547,35
12	40 - 350	0.4	350	1	9.411 637	680,30	547,35

LLG-Labware pipette tips, economy 2.0, transparent, PP



The new generation of LLG Labware Pipette tips economy.

- Improved optical clarity and pipette fit
- Graduated
- Autoclavable
- DNase and RNase free

-30%

Capacity µl	Package contents	PK	Cat. No.	Price EUR	Now EUR
0.1 ... 10	10 x 96 tips in rack	960	4.668 776	55,80	39,06
1 ... 200	10 x 96 tips in rack	960	4.668 778	50,90	35,63
100 ... 1000	8 x 96 tips in rack	768	4.668 782	42,40	29,68

Nalgene® Freezing container Mr. Frosty™, PC



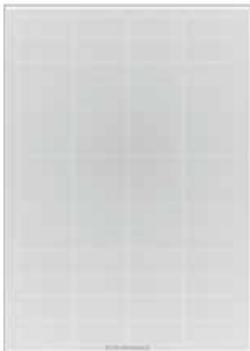
Thermo
SCIENTIFIC

With 120 mm diameter screw cap in blue HDPE, vial holder made of white HDPE. Foam interior. Cooling rate 1 °C/min. Tubes can be easily removed. Each aperture has a moulded number for identification. Stackable.

-30%

For tubes ml	Diam. mm	Height mm	No. of tubes	PK	Cat. No.	Price EUR	Now EUR
1.0 ... 2.0	117	86	18	1	9.400 945	146,40	102,48

Cryo labels Cryo-LazrTAG™ for laser printers, rectangular, white



GA INTERNATIONAL
LABTAG

NEW

The thermoplastic cryo labels in A4 sheet format have been specially developed for printing with laser printers. Ideal for labelling and marking vials, micro tubes and cryogenic boxes for quick identification of samples during storage in liquid nitrogen, freezers or transport in dry ice. *Cat No. 4.685 922: White, silver, yellow, green, pink, blue, orange, red.

- Water- and tearproof labels
- Resistant to UV and gamma radiation
- Temperature range -196 to 120 °C

Width mm	Height mm	Package contents	PK	Cat. No.	Price EUR
23.0	13.0	16 sheets with 168 labels	2688	4.685 925	66,00
24.0	13.0	16 sheets with 160 labels	2560	4.685 920	66,00
24.1	19.1	16 sheets with 98 labels	1568	4.685 923	66,00
24.9	21.8	16 sheets with 84 labels	1344	4.685 926	66,00
31.0	22.0	16 sheets with 72 labels	1152	4.685 919	66,00
31.5	13.0	16 sheets with 126 labels	2016	4.685 921	66,00
36.0	14.0	16 sheets with 100 labels	1600	4.685 917	66,00
38.1	21.6	16 sheets with 65 labels	1040	4.685 927	66,00
45.0	20.0	16 sheets with 56 labels	896	4.685 918	66,00
63.5	25.4	16 sheets with 33 labels	528	4.685 916	66,00
99.1	56.9	16 sheets with 10 labels	160	4.685 928	66,00
31.5	13.0	16 sheets with 126 labels*	2016	4.685 922	66,00

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	28,40	19,88
133 x 133	75	10	6.290 878	36,90	25,83
133 x 133	100	10	6.290 879	49,30	34,51
136 x 136	50	10	6.290 870	28,40	19,88
136 x 136	75	10	6.290 877	36,90	25,83
136 x 136	100	10	6.290 873	49,30	34,51

Partition inserts, white



Height: 30 mm

-30%

Dimensions mm	Array	For tubes diam. mm	PK	Cat. No.	Price EUR	Now EUR
133 x 133	9 x 9	Approx. 13.0	10	6.290 871	17,50	12,25
133 x 133	10 x 10	Approx. 12.0	10	6.290 876	17,50	12,25
136 x 136	10 x 10	Approx. 12.5	10	6.290 872	17,50	12,25
136 x 136	9 x 9	Approx. 13.9	10	6.290 875	17,50	12,25

Deep-freeze labels FreezerTAG™, set, white

NEW



GA INTERNATIONAL
LABTAG

Set of rectangular and round deep-freeze labels for labelling and marking micro tubes, cell culture plates, microtitre plates and freezer boxes. Ideal for quick identification of samples during storage in freezers or transport in dry ice.

- Water and tear resistant labels
- Temperature range -80 to 110 °C
- Printable with all common thermal transfer printers

Width mm	Height mm	Ø mm	Package contents	PK	Cat. No.	Price EUR
23.9	12.7	11.1	Roll with 2000 labels	2000	4.685 914	83,00

Volumetric flasks, DURAN®, class A, blue graduation, with PE stoppers

HIRSCHMANN®



IN (TD) calibrated. With dated batch identification. Declaration of conformity acc. to DIN 12600. With NS ground joint and polystopper. Ring mark and graduation in durable blue enamel, acc. to DIN EN ISO 1042.

-30%

Capacity	Tolerance	Height	Joint size (NS)	PK	Cat. No.	Price	Now
ml	± ml	mm				EUR	EUR
1000*	0.6	300	29/32	1	9.276 694	53,70	37,59
1000	0.4	300	24/29	1	9.276 695	64,30	45,01
2000	0.6	370	29/32	1	9.276 696	67,60	47,32
100	0.1	170	12/21	2	4.679 556	41,00	28,70
100	0.1	170	14/23	2	4.679 557	41,60	29,12
200	0.15	210	14/23	2	4.679 558	46,60	32,62
250	0.15	220	14/23	2	4.679 559	48,20	33,74
50	0.06	140	12/21	2	4.679 560	37,00	25,90
50*	0.08	140	14/23	2	4.679 561	37,80	26,46
500	0.25	260	19/26	2	4.679 562	57,20	40,04

* Wide neck.

Volumetric trapezoidal flasks, borosilicate glass 3.3, class A, blue graduations

BLAUBRAND



All BLAUBRAND® volumetric flasks are delivered with batch number and one batch certificate included per pack.

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

-30%

Nominal capacity	Tolerance	Joint size (NS)	PK	Cat. No.	Price	Now
ml	± ml				EUR	EUR
1	0.025	7/16	2	4.680 322	40,20	28,14
2	0.025	7/16	2	4.680 323	40,20	28,14
5	0.025	7/16	2	4.680 324	40,20	28,14
10	0.04	10/19*	2	4.680 325	41,20	28,84
20	0.04	10/19	2	4.680 326	43,20	30,31
25	0.04	10/19	2	4.680 327	43,20	30,31
50	0.06	12/21	2	4.680 328	45,10	31,57

* Wide neck version

Measuring cylinders, Borosilicate glass 3.3, tall form, class B, white graduation

ISOLAB
Laborgeräte GmbH



Flawless spout design assures pouring without any drips. Thick and durable polypropylene base reduces the risk of breakage during use and cleaning. Base perfectly fits the cylinder body and can easily be dismantled.

-30%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
10	2	6.286 599	10,00	7,00
25	2	6.286 600	12,50	8,75
50	2	6.286 601	14,90	10,43
100	2	6.286 602	18,60	13,02
250	2	6.286 603	30,20	21,14
500	2	6.286 604	46,40	32,48
1000	2	6.286 605	62,60	43,82

Volumetric pipettes, Soda-lime glass, class AS, 1 mark, amber stain graduation

HIRSCHMANN®



EX (TD) calibrated. With dated batch identification. Declaration of conformity acc. to DIN 12600. With durable amber stain graduation, acc. to DIN EN ISO 648.

-30%

Volume	Tolerance	Overall length	PK	Cat. No.	Price	Now
ml	± ml	± 10 mm			EUR	EUR
0.5	0.005	300	12	6.291 451	73,80	51,66
1	0.008	325	12	6.291 452	71,40	49,98
1.5*	0.01	350	12	6.291 453	96,00	70,50
2	0.01	350	12	6.291 454	71,40	49,98
2.5*	0.01	350	6	6.291 455	47,40	33,18
3*	0.01	350	6	6.291 456	39,30	27,51
4*	0.015	410	6	6.291 457	45,30	33,29
5	0.015	410	6	6.291 458	41,70	29,19
6*	0.015	410	6	6.291 459	56,10	41,21
7*	0.015	410	6	6.291 460	56,10	41,21
8*	0.02	450	6	6.291 461	56,10	41,21
9*	0.02	450	6	6.291 462	56,10	41,21
10	0.02	450	6	6.291 463	47,10	32,97
15*	0.03	520	6	6.291 464	57,60	40,32
20	0.03	520	6	6.291 465	57,60	40,32
25	0.03	530	6	6.291 466	58,80	41,16
30*	0.03	530	6	6.291 467	70,20	51,33
40*	0.05	550	6	6.291 468	76,20	55,73
50	0.05	550	6	6.291 469	76,80	53,76
100	0.08	600	6	6.291 470	105,00	73,50

* Supplementary to DIN.

Pipette Filler, pipetus®

HIRSCHMANN®



- Effortless pipetting
- Made in Germany!



For all commercially available graduated, bulb and Pasteur pipettes, from 0.1 to 200 ml.
The pipette can be used for up to one week without recharging.

- Automatic inductive charging in the parking station guarantees constant readiness.
- EX/Blow-out switch for volume-precise working
- Speed button for selecting one of 5 possible working speeds
- Clear colour display with permanent indication
- Ergonomic design for fatigue-free serial pipetting

Supplied with:

Pipetus® complete with mains operated charging unit and inductive charging stand, colour display with battery level indicator, 2 additional round PTFE filters, additional safety valve and wall mount.

-10%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
pipetus®	1	9.283 958	425,00	393,04

Aspirator LLG-uniVACUUSYS



- All-in-one-set
- Including different aspirator options!



The LLG-uniVACUUSYS suction system **with integrated vacuum pump and vacuum controller** is ideally suited for suctioning liquids. The set vacuum is automatically readjusted should there be any deviations.

- Self-closing connectors for quick installation and prevention of liquid or aerosol escape
- **Liquid level sensor**, prevents liquid overflow
- Autoclavable waste collection bottle and nozzle

Scope of supply: Vacuum Aspiration System with integrated vacuum pump, 4 liter waste collection bottle, single channel needles and 8-channel needle aspirator handles, single channel and 8-channel adaptor for 200 µl pipette tips, single channel adaptor for 1000 µl pipette, tubing and quick-connectors

Specifications

Vacuum range:	0 ... 600 mbar (adjustable)
Aspiration rate:	1 ... 15 ml/s
Noise emission:	<50 dB(A)
Dimensions (W x D x H):	180 x 320 x 530 mm
Weight:	3.4 kg
Power supply:	100 ... 240 V, 50/60 Hz

-30%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniVACUUSYS	EU	1	6.263 585	1.210,00	847,00
LLG-uniVACUUSYS	UK	1	6.263 586	1.190,00	833,00

LLG-Serological pipettes, PS, sterile

All LLG serological pipettes are plugged, sterile, pyrogen-free and have an increased volume capacity through extra graduations.

- Also available as short-pipettes (5 ml, 10 ml and 25 ml) or wide-mouth pipette (10 ml)
- 1 ml, 5 ml, 10 ml, 25 ml and 50 ml pipettes contain a bi-directional secondary graduation scale for precise dosing
- Colour coded ringmark for easy volume identification
- Single packed in easy-to-open plastic/paper packaging



-30%

Volume	Grad.	Colour code	Negative graduations	PK	Cat. No.	Price	Now
ml	ml					EUR	EUR
1	1/100	yellow	0.3	500	9.380 440	66,40	46,48
2	1/50	green	0.6	500	9.380 441	76,80	53,76
5	1/10	blue	3	200	7.930 401	41,40	28,98
10	1/10	orange	3	200	6.268 240	64,00	44,80
10	1/10	orange (wide mouth)	3	200	9.380 442	50,30	35,21
25	2/10	red	8	150	7.930 403	65,70	45,99
50	5/10	purple	10	100	9.380 443	66,30	46,41
5	1/10	blue (short form)	3	200	6.265 881	75,00	52,50
10	2/10	orange (short form)	10	150	6.265 882	75,00	52,50
25	5/10	red (short form)	9	100	6.265 883	67,80	47,46

Gel electrophoresis tank
MultiSUB Mini



The MultiSUB mini is the smallest instrument in the series, designed for small and medium sample volumes. The small buffer volume of 225 ml increases the effectiveness of the analysis.

Supplied with:
MultiSUB Mini DUO: 7 x 7 cm and 7 x 10 cm UV Tray, 2 x 8 sample combs.

Specifications
Gel dimensions (W x L): 7 x 7 cm and 7 x 10 cm
Unit dimensions (W x L x H): 21 x 9 x 9 cm
Max. sample capacity: 7 x 7 cm tray, 32 samples
7 x 10 cm tray, 64 samples
Buffer volume: 225 ml

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
MultiSUB Mini DUO	1	7.920 043	463,99	324,73

LLG-Agarose Standard



Cost-efficient and high quality



LLG-Agarose is ideal for routine separation of DNA and RNA fragments, as well as PCR products with electrophoresis. High transparency and low background of the agarose gel ensures clear and sharply defined bands.

- Very good dissolution and rapid gel formation
- High gel strength even at low agarose concentrations
- Suitable for agarose concentrations from 0.75 up to 2 %
- Good separation efficiency for nucleic acid fragments between 250 bp and 23 kb
- Free of DNase and RNase

Appearance: White powder
Clarity (NTU): ≤4 (1.5 % gel)
Gelling point: 36 ±1.5 °C (1.5 % gel)
Melting point: 88 ±1.5 °C (1.5 % gel)
Gel strength: ≥1000 g/cm² (1 % gel)
Sulphate: ≤0.15 %

-30%

Capacity	PK	Cat. No.	Price	Now
			EUR	EUR
g				
100	1	4.681 511	67,99	47,53
500	1	4.681 512	252,49	176,68

Power supply nanoPAC-300 Mini
for gel electrophoresis tanks



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
- Alarm function

-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	531,59	372,05

LLG-PCR tubes with attached lids, PP



- Individual tubes
- Compatible with all common thermocyclers
- 0.2 ml or 0.5 ml
- Individual attached flat or domed snap caps
- Consistent wall thickness for uniform heat transfer
- Cap design ensures fit and helps reduce sample evaporation
- Virgin polypropylene, certified RNase-, DNase- and Endotoxin-free

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
0.2 ml, single, flat cap	1000	6.313 401	56,89	39,76
0.2 ml, single, domed cap	1000	6.313 402	56,89	39,76
0.5 ml, single, flat cap	1000	6.313 403	53,99	37,10

Cell disruption shaker Bead Genie™



- For different Life Science applications
- Efficient homogenization



Ideal for extractions, lysing, or homogenisation applications utilizing metal or glass beads.

- Provides accuracy, reproducibility, and repeatability with complete control of speed and time
- Variable RUN/STOP timer provides rapid pulsing for superior interval mixing
- Programmable timer from 1 s to 99 min or continuous operation
- Solid metal casting ensures stable performance without movement
- Compact design for use e.g. in safety cabinets

Scope of supply: Cell disruption shaker, horizontal holder for 12 microtubes (1.5 or 2.0 ml), vertical holders for 12 microtubes (1.5 or 2.0 ml), 6 tubes (15 ml) and 3 tubes (50 ml)

Please order beads separately.

Specifications

Speed:	250 ... 2400 rpm
Strokes:	500 ... 4800 strokes/min
Dimensions (W x D x H):	122 x 165 x 330 mm
Weight:	6 kg
Warranty:	2 years

-12%

Type	Connector	Type of auxiliary energy	PK	Cat. No.	Price	Now
					EUR	EUR
SI-B100	US	120 V	1	4.686 647	2.815,60	2.488,94
SI-B101	-	230 V	1	4.686 648	2.815,60	2.488,94
SI-B102	EU	230 V	1	4.686 649	2.815,60	2.488,94
SI-B103	UK	230 V	1	6.318 988	2.815,60	2.488,92
SI-B104	CH	230 V	1	4.686 650	2.815,60	2.488,94
SI-B105	Japan	100 V	1	4.686 652	2.815,60	2.488,94
SI-B106	AU	230 V	1	4.686 651	2.815,60	2.488,94



NEW

Beads

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
0.1 mm, 375 g	1	9.730 100	52,60	36,82
0.5 mm, 375 g	1	9.730 101	52,60	36,82

Tissue Grinders System



For safe cell disruption with minimal temperature increase. The closed system (CS) protects the user from aerosols and possible contact with the suspension. Tip made of glass/PP mixture (30 %/70 %) for normal cell disruption.

-30%

Type	For volume ml	PK	Cat. No.	Price	Now
				EUR	EUR
CS 1	15	10	9.651 050	122,20	120,54
CS 1	50	10	9.651 051	122,20	120,54

LLG-Micropestles, stainless steel



For homogenisation of cells, tissues or foodstuffs/feed samples.

- For tubes with 0.5 ml, 1.5 ml, 2.0 ml and 13.0 ml
- Can be cooled down to -196 °C
- Sterilisable in an autoclave or dry heat at +200 °C

-30%

For volume ml	Pestle length mm	PK	Cat. No.	Price	Now
				EUR	EUR
0.5	94	1	9.314 500	51,00	35,70
1.5	124	1	9.314 501	55,00	38,50
2.0	120	1	9.314 502	60,00	42,00

LLG Syringe Filters *SPHEROS*



Wide range of applications



Cellulose Acetate

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 filters 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	86,40	60,48
13	0.45	PP, red	-	100	6.272 803	86,40	60,48
25	0.22	PP, red	-	50	6.272 804	60,60	42,42
25	0.22	PP, red	-	500	4.668 145	606,00	424,20
25	0.45	PP, red	-	50	6.272 805	60,60	42,42
25	0.45	PP, red	-	500	4.668 146	606,00	424,20
13	0.22	PP, red	+	100	6.272 806	122,30	85,61
13	0.45	PP, red	+	100	6.272 807	122,30	85,61
25	0.22	PP, red	+	45	6.272 808	60,60	42,42
25	0.45	PP, red	+	45	6.272 809	60,60	42,42



Nylon

Hydrophilic membrane for filtration of aqueous and organic/aqueous liquids with medium polarity. Very good chemical resistance to esters, alkaline solutions and alcohols. With female Luer-Lock inlet and male Luer-Slip outlet.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, pink	-	100	6.272 810	86,40	60,48
13	0.45	PP, pink	-	100	6.272 811	86,40	60,48
25	0.22	PP, pink	-	50	6.272 812	60,60	42,42
25	0.22	PP, pink	-	500	4.668 147	606,00	424,20
25	0.45	PP, pink	-	50	6.272 813	60,60	42,42
25	0.45	PP, pink	-	500	4.668 148	606,00	424,20



PES

Hydrophilic membrane for aqueous and polar organic solutions with low protein binding capacity. Especially suitable for sterile filtration of solutions and media in cell culture as well as for ion chromatography and organic acids. With female Luer-Lock inlet and male Luer-Slip outlet. Sterile filters individually packed in a hard blister package.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
25	0.22	PP, green	-	50	6.272 640	71,80	50,26
25	0.45	PP, green	-	50	6.272 641	71,80	50,26
25	0.22	PP, green	+	45	6.272 642	97,50	68,25
25	0.45	PP, green	+	45	6.272 643	97,50	68,25



PTFE

Hydrophobic membrane for filtration of non-polar liquids and gases. Very good chemical resistance to all kinds of solvents and alkaline solutions. With female Luer-Lock inlet and male Luer-Slip outlet.

-30%

Filter diam.	Pore size	Housing	Sterile	PK	Cat. No.	Price	Now
mm	µm					EUR	EUR
13	0.22	PP, white	-	100	6.272 816	86,40	60,48
13	0.45	PP, white	-	100	6.272 817	86,40	60,48
25	0.22	PP, white	-	50	6.272 818	60,60	42,42
25	0.22	PP, white	-	500	4.668 149	606,00	424,20
25	0.45	PP, white	-	50	6.272 819	60,60	42,42
25	0.45	PP, white	-	500	4.668 150	606,00	424,20



PVDF

Hydrophilic membrane for aqueous polar and light unpolar solutions. Very low protein binding, suitable for high flow rates. Ideal for use with biological macromolecules, water soluble oligomers and polymers. With female Luer-Lock inlet and male Luer-Slip outlet. Sterile filters 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, blue	-	100	4.685 651	76,80	53,76
13	0.45	PP, blue	-	100	4.685 652	76,80	53,76
25	0.22	PP, blue	-	50	4.685 653	70,40	49,28
25	0.45	PP, blue	-	50	4.685 660	70,40	49,28
13	0.22	PP, blue	+	100	4.685 654	70,30	55,51
13	0.45	PP, blue	+	100	4.685 655	70,30	55,51
25	0.22	PP, blue	+	45	4.685 656	69,90	48,93
25	0.45	PP, blue	+	45	4.685 657	69,90	48,93

Manifolds Microsart®, stainless steel

SARTORIUS

For microbiological quality control. Quick connectors at both sides of the manifolds enable fast connections of either tubing, another manifold or end caps. Various funnel and filtration units are available.

- Full autoclavability without disassembly
- Sterile venting
- Reduced risk of secondary contamination
- Low working height
- Rubber feet providing better stability at the workplace

Scope of supply:

Microsart® Manifolds for Biosart® 100 monitors:

Manifold, filter base support with sinter frit, Biosart® adapter, blind coupling, 20 cm tubing and venting filter

Microsart® Manifolds including stainless steel funnels 100 ml:

Manifold, filter base support with sinter frit, blind coupling, 20 cm tubing and plug for venting holes



Type	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price
					EUR
Microsart® Manifolds for Biosart® 100 monitors	1 branch	176 x 98 x 120*	1	4.669 474	1.697,28
Microsart® Manifolds for Biosart® 100 monitors	3 branch	474 x 98 x 120*	1	4.669 476	3.176,96
Microsart® Manifolds for Biosart® 100 monitors	6 branch	924 x 98 x 120*	1	4.669 477	4.863,36
Microsart® Manifolds including stainless steel funnels 100 ml	1 branch	176 x 98 x 120*	1	4.669 481	1.773,44
Microsart® Manifolds including stainless steel funnels 100 ml	3 branch	474 x 98 x 120*	1	4.669 482	3.601,28
Microsart® Manifolds including stainless steel funnels 100 ml	6 branch	924 x 98 x 120*	1	4.669 483	5.853,44

* Dimensions without funnels and tubing

Biosart® 100 monitors

SARTORIUS



Filtration unit ready for connection in conjunction with a Sartorius suction bar or for direct adaptation on a special vacuum pump. Biosart® 100 monitors are specifically designed for microbiological testing of pharmaceuticals, cosmetics, water and other liquids. Pore size: 0.45 µm

Type	Diam. mm	Colour Filter / Grid	PK	Cat. No.	Price
					EUR
K	47	white / black	48	9.049 300	173,40
K	47	grey / white	48	9.049 315	173,40
ACK	47	white / black	48	9.049 311	269,28
ACK	47	white / black	48	9.049 312	269,28
ACK	47	green / dark green	48	9.049 313	269,28
ACK	47	grey / white	48	9.049 304	269,28
Adapter for BioSart	55	-	1	9.049 320	10,09

ACK= individually sterile packed. K= sterile.

LLG-Filtering apparatus, borosilicate glass

LLG
LABWARE

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 supply: Filter flask NS 45/40, funnel 300 ml, filter holder NS 45/40 with connector GL 14 and filter plate 47 mm (por. 2), clamp



-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Filtering apparatus 1000 ml	1	6.291 850	349,00	244,30
LLG-Filtering apparatus 2000 ml	1	6.291 851	395,00	276,50

LLG-Disposable plastic cells, PS

The shape and narrow wall thickness of the cuvettes enable an excellent heat transfer resulting in constant sample temperatures during photometric measurements.



- Cavity sorted
- Glass clear polystyrene (PS)
- Applicable wavelength range 340 nm to 900 nm
- Very low variation of extinction values
- Excellent optical transmission range
- Path length 10 mm
- Overall dimensions 12.5 mm x 12.5 mm x 45 mm
- 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	10,20	7,14
Semi-micro	1.6	10	100	9.406 012	10,50	7,35

LLG-Cuvettes, glass



LLG-Cuvettes have two clear windows and they are available as optical glass or in quartz variants. The thickness of the windows and the base is 1.25 mm. The overall height of standard type cells is 45 mm or 48 mm. Each cuvette is supplied with a PTFE lid.

- Optical Glass: 335 to 2500 nm
- Quartz: 200 to 2700 nm

-30%

Type	Volume	Path length	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
quartz glass	3.5	10	2	4.681 513	73,00	51,10
quartz glass	17.5	50	2	4.681 514	220,00	199,47
optical glass	3.5	10	4	4.681 515	42,00	29,40
optical glass	17.5	50	4	4.681 516	90,00	63,00

LLG-Cuvette rack, PP



Ideal for storing up to 16 cuvettes with 12.5 mm width. Two-tier arrangement of the cuvette rows ensures clarity.

- Numbered positions
- Autoclavable at 121 °C

-30%

Dimensions	PK	Cat. No.	Price	Now
(W x D x H)			EUR	EUR
mm				
210 x 70 x 35	1	4.682 061	10,50	7,35

Disposable cuvettes, PMMA



Disposable cuvettes for spectroscopy made of PMMA and a layer thickness of 10 mm for optimum transmission when using wavelengths from 280 to 800 nm. Shape monitoring and constant quality control establish the reproducibility of the cuvettes. Kartell cuvettes are subject to strict quality control and have a measurement tolerance of $\pm 1\%$, which is very important for serial examinations!

-30%

Description	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
Standard cuvettes	4.5	100	9.406 435	26,40	18,48
Semi-micro cuvettes, high form	2.5	100	9.406 436	25,70	17,99
Semi-micro cuvettes, low form	1.5	100	9.406 437	29,80	20,86
Standard cuvettes, 4 clear faces	4.5	100	9.406 438	23,10	16,17

Cells W600



Cells made of optical glass or Borosilicate glass 3.3, 21 mm x 40 mm, for instrument Models Fs, PFXi/PFX195, 880, 950 and 995. (Note: PFXi/PFX-195 max. path length 50 mm).

W600/OG/xx for unheated samples (up to 40 °C)
W600/B/xx for heated samples (up to max. 100 °C)

Type	Path length	Material	PK	Cat. No.	Price
	mm				EUR
W600/OG/10	10	optical glass	1	6.207 120	42,20
W600/OG/1"	25.4	optical glass	1	9.947 342	48,50
W600/OG/33	33	optical glass	1	6.093 322	57,90
W600/OG/50	50	optical glass	1	6.207 119	65,70
W600/OG/100	100	optical glass	1	6.235 055	121,90
W600/OG/5/4"	133.35	optical glass	1	9.947 343	90,70
W600/B/10	10	Borosilicate glass 3.3	1	6.241 927	53,20
W600/B/1"	25.4	Borosilicate glass 3.3	1	9.947 344	59,40
W600/B/33	33	Borosilicate glass 3.3	1	6.086 921	75,10
W600/B/100	100	Borosilicate glass 3.3	1	6.253 940	156,30
W600/B/5/4"	133.35	Borosilicate glass 3.3	1	9.947 345	117,30

Spectrophotometer LLG-uniSPEC 1



- For quality control and training
- Automatic wavelength adjustment
- Cost-efficient high quality



LLG-uniSPEC 1 UV/VIS spectrophotometer is the ideal device for various routine laboratory applications including quality control, basic research and education.

- Standalone unit with large 2.5" LCD Display
- Automatic wavelength setting
- Easy creation of standard curves for concentration determination

Scope of supply: Spectrophotometer, dust cover, manual, 4 glass cuvettes, 2 quartz cuvettes

Specifications

Optical system:	Single beam, grating 1200 lines/mm
Wavelength range:	190 ... 1000 nm
Bandwidth:	2 nm
Wavelength accuracy:	±2 nm
Wavelength setting:	Auto
Photometric accuracy:	±0.5 % T
Photometric repeatability:	≤0.2 % T
Photometric range:	-0.3 ... 3 A, 0 ... 200 % T, 0 ... 9999 C
Photometric mode:	T, A, C, F
Stray light:	≤0.1 % T
Display:	LCD, 128 x 64 Dots
Light source:	Tungsten and deuterium lamp
Output:	USB port, parallel port
Dimension (W x D x H):	420 x 280 x 180 mm
Weight:	12 kg
Power supply:	85 ... 250 V

-30%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniSPEC 1	EU	1	6.263 636	2.450,00	1.715,00
LLG-uniSPEC 1	UK	1	6.263 637	2.425,40	1.732,78

Colorimeters, Lovibond® PFXi series



PFXi-195/1

The PFXi Series spectrophotometric colourimeters are equipped with RCMSi technology (Remote Calibration and Maintenance Service via Internet), which allows calibration and service to be carried out via the Internet. This ensures compliance with the standards. Each colourimeter is supplied with a variety of colour scales for different applications. Each colourimeter is supplied with colour control software for data analysis (LAN and USB cable included). Optical glass cuvettes, a certified glass calibration filter, a spare lamp and the instruction manual are included.

Please Note: CIE values and spectral data readings are standard on all the instruments listed below.

Type	For	Colour scale	PK	Cat. No.	Price
					EUR
PFXi-195/1	Chemicals & Industrial Oils	Pt-Co/Hazen/APHA, Gardner, Iodine	1	9.947 280	6.759,40
PFXi-195/2	Petroleum oils & Waxes	Saybolt, ASTM colour, Pt-Co/Hazen/APHA	1	9.947 281	7.125,10
PFXi-195/5	Pharmaceutical Solutions	European & US Pharmacopoeia, Pt-Co/Hazen/APHA	1	9.947 283	7.125,10
PFXi-995	Transparent Samples	Lovibond® RYBN, AOCs-Tintometer®, Gardner, Saybolt, Kreiss, Hess-Ives, Hunter Lab, Iodine colour, Pt-Co/Hazen/APHA	1	9.947 286	14.793,90

Space saving jerrycan Flachmann LaboPlast®, PP



Transparent. With its low width, the compact jerrycan Flachman is ideal as a space-saving canister. Flachmann can also be stored lying on its side e.g. in a refrigerator.

Space-saving Compact set: 1 Flachmann LaboPlast® canister 5 l or 10 l and 1 stopcock Compact (9.140 003)

The Flachmann canister is ideal to store and decant liquids in a small space. The Compact stopcock for canisters and barrels features an impressive compact design, which does not overlap the footprint of the canister and therefore can be stored on its side e.g. within a refrigerator or rack without screwing off the stop-cock.

Space-saving StopCock set: 1 Flachmann LaboPlast® canister with screw neck and 1 stopcock (9.139 997)

-21%

Capacity	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
l					EUR	EUR
5	Space-saving Set Compact	65 x 335 x 335	1	9.140 004	45,90	35,50
5	Space-saving Set StopCock	65 x 335 x 335	1	9.140 011	55,40	43,98
10	Space-saving Set Compact	125 x 335 x 335	1	6.290 255	53,00	46,85

Base magnifier LE-003UV

With UV light



Magnifier with UV LED lights and measuring scale for examining, inspection and measurement of fluorescent materials.

- 8 UV LEDs with 395 nm wavelength
- 30 mm measuring scale with 0.1 mm graduation
- 3 double glass lenses (achromatic)
- Anti-reflective coating
- Focus ring
- Battery type AG9 (included)

-22%

Mag-nification	Lens	Height	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
10x	Ø 30	62	1	6.322 999	118,50	92,53

Anti-tamper seal-it, self-adhesive roll



If a container opening is closed with seal-it, then the container cannot be opened without destroying the seal-it label. The white labelling field on the seal-it can be written on with all conventional writing tools with, for example contents information, sampling date, name of operator, etc.

- Clear identification via numbers in sequence
- Integrated control label with the same number, for accompanying documents
- 500 consecutively numbered labels in each roll
- Format 178mm long, 30mm wide

-15%

Type	PK	Cat. No.	Price	Now
Seal-it	500	7.622 477	EUR 138,00	EUR 117,48

Tube Rack Rota-Rack®, PP



Autoclavable. Interlocked racks. Rotate each of the four modules independently. Use several sizes of test tubes, culture tubes, centrifuge tubes or microcentrifuge tubes at the same time.

Each module of the Rota-Rack® for large tubes holds
2 x 50 ml tubes,
8 x 15 ml tubes,
6 x 20 mm tubes or 10 x 10/13 mm tubes.

Each module of the Rota-Rack® for microtubes holds
6 x 15 ml tubes,
9 x 1.5/2.0 ml tubes,
12 x 0.5 ml tubes or 32 x 0.2 ml PCR tubes or
4 x 8-tube strips.

-30%

Description	Width	Length	Height	PK	Cat. No.	Price	Now
	mm	mm	mm			EUR	EUR
Rota-Rack® for large tubes	110	224	110	1	9.193 988	81,20	56,84
Rota-Rack® for micro tubes	100	210	100	1	9.193 989	81,20	56,84

Conductivity meter SD 325 CON



The portable instrument with data logger is ideal for determining electrical conductivity in aqueous media.

- Automatic recognition of conductivity standards
- Alarm function with adjustable limit values
- Auto hold function
- Selectable reference temperature (20 °C/25 °C)
- Automatic temperature compensation

Scope of supply:

SD 325 CON (Set 1): Conductivity meter, protective covering, transport case, 4-pol graphite electrode (diam. 12 mm, < 200 mS/cm), conductivity standards, batteries, manual

SD 325 CON (Set 2): Conductivity meter, protective covering, transport case, 4-pol graphite electrode (diam. 16 mm, < 1000 mS/cm), conductivity standards, batteries, manual

SD 325 CON (Set 3): Conductivity meter, protective covering, transport case, 2-pol stainless steel electrode (diam. 10 mm, < 200 µS/cm, pure water), flow through cell for pure water, batteries, manual

Specifications

Conductivity:	0.000 ... 1000.0 mS/cm
Temperature:	-5.0 ... 100.0 °C
TDS:	0.000 ... 5000 mg/l
Resistance:	0.000 ... 50.0 MOhm/cm
Salinity:	0.0 ... 70.0 PSU
Datalogger:	10000 Data sets automatically 1000 Data sets manually
Interface:	USB
Dimensions (W x D x H):	100 x 164 x 37 mm
Weight:	302 g
Power supply:	2 x AAA batteries (incl.)
IP code:	IP 67

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
SD 325 CON (Set 1)	1	4.678 226	745,50	709,72
SD 325 CON (Set 2)	1	4.678 227	850,50	809,68
SD 325 CON (Set 3)	1	4.678 228	850,50	809,68

LLG-Conductivity Solutions

- Values stated at 25 °C:
- Accuracy ±1 %
- Directly traceable to NIST
- Certificate including actual value, expiration date and uncertainty of measurement



-30%

Type	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
84 µS/cm	500	1	9.040 861	23,10	23,17
147 µS/cm	500	1	9.040 862	23,10	23,17
1.413 µS/cm	500	1	9.040 863	23,10	23,17
12.880 µS/cm	500	1	9.040 864	23,10	23,17

Conductivity meter ProfiLine Cond 3310



Comfortable and versatile conductivity meter with integral, time controlled, data logger and 5000 GLP-compliant record memory for extended data collection. Menu controlled, with backlit, graphics display for comfortable, safe operation.

Specifications:

Measuring ranges/Resolution

Conductivity: as Cond 3110, but additionally with
0.00 µS/cm ... 19.99 µS/cm (when K=0.1 cm⁻¹)
0.000 µS/cm ... 1.999 µS/cm (when K=0.01 cm⁻¹)

TDS: 0 ... 1999 mg/l, 0.0 ... 199.9 g/l

Spec. resistance: 0.0 ... 999 MΩ/cm

Memory: 5000 records (measured value, temperature, date, time, ID)

-5%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
Cond 3310	Meter only	1	9.774 409	759,00	721,05
Cond 3310 Set 1	Case set including conductivity probe TetraCon 325 and accessories	1	9.774 400	1.165,00	1.106,75

Conductivity calibration solutions



Easy to use



Disposable bags for effective calibration. Traceability according to NIST.

Type	Capacity	PK	Cat. No.	Price
	ml			EUR
12,88 mS/cm	20	25	4.686 818	64,40
1413 µS/cm	20	25	4.686 819	64,40

pH/ion meter SevenDirect™ SD50-Kit



pH electrode InLab® Expert Pro-ISM with robust PEEK shaft, integrated NTC 30 kΩ temperature sensor and ARGENTAL™ reference system. The electrode is always ready for use as the solid XEROLYT® reference electrolyte does not need to be refilled

Scope of supply: pH/ion meter SevenDirect™ SD50, electrode arm EasyPlace™, pH electrode InLab® Expert Pro-ISM, 3 x 2 calibration buffer sachets pH 4.01, 7.00 and 9.21 or 10.01, protective cover, power supply, get-started-guide

-18%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
SD50-Kit	1	4.684 926	1.500,00	1.224,00

LLG-Universal indicator paper, rolls

! New pH ranges!



Plastic dispensing reel with 1 roll of 5 m.

-30%

Range	PK	Cat. No.	Price	Now
			EUR	EUR
pH				
1 ... 14	10	4.667 570	81,00	56,70
1 ... 11	10	4.667 572	81,00	56,70

LLG-Indicator paper sticks



Box of 100 indicator paper sticks of 80 mm length.



-30%

Range	PK	Cat. No.	Price	Now
			EUR	EUR
pH				
5,5 ... 9	100	6.322 832	9,00	6,30
0 ... 6	100	6.322 833	9,20	6,44

pH/Redox meter pH 3110 Set SM PRO, LLG Premium Line, incl. pH electrode Sentix 41 and protective cover SM Pro



- **LLG Premium Line**
- **Complete set**
- **Including Sentix 41 electrode and protective cover**



The LLG Premium Line is our best selection of high quality and proven devices from our top suppliers. The meter pH 3110 Set SM PRO is ready-to-use for portable pH and Redox measurement.

Convincing quality

- With proven, universal pH electrode Sentix 41
- Robust with sturdy housing made of ABS
- Additional protection due to protective cover SM Pro made of silicone
- Waterproof according to IP 67

Highest safety

- Automatic AutoRead function for reproducible and reliable readings
- 3-point calibration with technical or DIN/NIST buffers
- Integrated calibration timer for reminding to calibrate regularly

Scope of supply: pH meter pH 3110 ProfiLine, pH electrode Sentix 41, buffer STP 4/STP 7 (50 ml each), protective cover SM Pro, KCL solution, measuring beaker (50 ml), electrode holder, carrying case

Specifications

Measuring ranges

pH: -2.0 ... 20.0 ; -2.00 ... 20.0 ; -2.000 ... 19.999

Accuracy: ±0.01 (±1 digit) ±0.005 (15 °C ... 35 °C)

mV/Accuracy: ±1200.0/±0.3 ±2000/±1

Temperature: -5.0 ... 105.0 °C

Accuracy: ±0.1 °C

Temperature compensation: automatic via pH electrode with integral temperature probe

pH electrode Sentix 41

Plug type: DIN

Temperature sensor: NTC 30 kOhm

Length: 120 mm

Ø: 12 mm

Electrolyte: Gel

Length cable: 1 m

Type	PK	Cat. No.	Price
			EUR
pH 3110 Set SM PRO, LLG Premium Line	1	4.684 148	506,48

Connection cable for combination electrodes



Connection cable (1 m) for pH electrodes with plug head connection to plugs as indicated.

Type	Connector	PK	Cat. No.	Price
				EUR
AS/DIN	DIN	1	9.040 895	47,03
AS/BNC	BNC	1	9.040 897	47,03

pH combination electrode, gel electrolyte, SenTix®



Basic pH combination electrodes, with plastic body, gel reference system. SenTix® 20 with plug head (AS/DIN or AS/BNC cable combination please order separately). Sentix 21-3 and Sentix 41-3 with 3 m fixed cable.

Specifications

Temperature range: 0 ... 80 °C
pH range: 0 ... 14 pH
Length/diam.: 120 mm/12 mm
Electrolyte: Gel
Diaphragm: Fibre

-11%

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
					EUR	EUR
SenTix® 20	-	Plug-in head	1	9.040 851	112,00	99,77
SenTix® 21	-	DIN, waterproof	1	9.040 872	143,00	127,38
SenTix® 41	NTC 30 kΩ	DIN, waterproof	1	9.040 876	217,00	193,30
SenTix® 41-3	NTC 30 kΩ	DIN, waterproof	1	9.040 877	259,00	230,71
SenTix® 42	NTC 30 kΩ	BNC	1	9.040 841	219,00	195,08

pH combination electrodes, liquid electrolyte, SenTix®, refillable



Standard pH combination electrodes with glass shaft, non-solid electrolytes. With fixed cable (1 m). SenTix® 60 with screw head (AS/DIN or AS/BNC cable combination please order separately).

Specifications

Temperature range: 0 ... 100 °C
pH range: 0 ... 14 pH
Length/diam.: 120/12 mm
Electrolyte: Liquid, KCl 3 mol/l
Diaphragm: Platinum

-11%

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
					EUR	EUR
SenTix® 60	-	Plug head	1	9.040 842	160,00	142,53
SenTix® 61	-	DIN, watertight	1	9.040 881	166,00	147,87
SenTix® 81	NTC 30 kΩ	DIN, watertight	1	9.040 886	254,00	226,26

pH combination electrode, SenTix® H/SenTix® HW, refillable



Precision pH combination electrodes with glass shaft and liquid electrolyte. With plug head (AS/DIN or AS/BNC cable combination please order separately). SenTix® H for high alkaline solutions, SenTix® HW for low conductive samples.

Specifications

Temperature range: 0 ... 80 °C // 0 ... 60 °C
pH range: 0 ... 14 pH
Length/diam.: 170/12 mm
Electrolyte: Liquid, KCl 3 mol/l
Diaphragm: Ground joint

-11%

Type	Temperature sensor	Connector	PK	Cat. No.	Price	Now
					EUR	EUR
SenTix® H	-	plug head	1	9.040 845	261,00	232,49
SenTix® HW	-	plug head	1	7.058 767	266,00	236,95

LLG-Electrode stand for 3 electrodes



3 openings with diam. 16 mm. Additional opening for temperature sensor. Three joints for high flexibility and adjustment options.

Base plate: 105 x 125 mm
Weight: 0.8 kg
Max. arm height: 320 mm

-28%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Electrode stand	1	6.286 248	89,00	64,10

pH buffer solutions



Easy to use



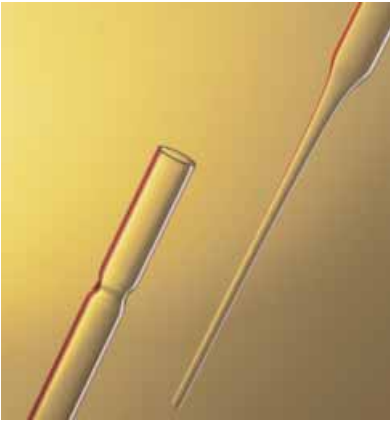
Disposable bags for effective calibration. Traceability according to NIST.

pH-value	Accuracy	Capacity	PK	Cat. No.	Price
at 20 °C	(±)	ml			EUR
4.00	0.02 (20 °C)	20	25	4.686 822	30,90
7.00	0.015 (20 °C)	20	25	4.686 823	30,90
10.07	0.03 (25 °C)	20	25	4.686 821	30,90

Pasteur pipettes, soda glass



- Extra long tip
- Ideal for NMR applications



Extra long tip, optimal for NMR applications.
With constriction, without cotton wool.

Length	PK	Cat. No.	Price
mm			EUR
300	1000	4.672 077	1.062,32
350	1000	4.672 078	1.771,20

NMR tubes, diameter 3 and 5 mm, borosilicate glass 3.3, loose



The NMR tubes are particularly suitable for routine measurements, high-throughput measurements or NMR systems with automatic sampling at measurement frequencies up to 600 MHz. The tubes are manufactured from borosilicate glass 3.3 which is conform to USP Type I and ASTM E438, Type I, Class A fulfilled.

Please order closing caps separately.

Outer diam.	Int. diam.	Length	Wall thickness	PK	Cat. No.	Price
mm	mm	mm	mm			EUR
2.95 ± 0.03	2.36 ± 0.03	178	0.29	50	6.281 792	131,12
2.95 ± 0.03	2.36 ± 0.03	203	0.29	50	6.281 793	145,13
4.95 ± 0.05	4.19 ± 0.05	178	0.38	100	9.400 310	121,03
4.95 ± 0.05	4.19 ± 0.05	203	0.38	100	9.400 311	128,87

Closing caps for 3 and 5 mm NMR and EPR tubes



Made of resilient plastic.

-14%

For	Colour	PK	Cat. No.	Price	Now
				EUR	EUR
3 mm tubes	red	50	6.282 148	3,95	3,40
3 mm tubes	green	50	6.282 149	3,95	3,40
3 mm tubes	yellow	50	6.282 150	3,95	3,40
3 mm tubes	blue	50	6.282 151	3,95	3,40
5 mm tubes	red	100	9.400 312	6,50	5,58
5 mm tubes	green	100	9.400 313	6,50	5,58
5 mm tubes	yellow	100	9.400 314	6,50	5,58
5 mm tubes	black	100	9.400 315	6,50	5,58
5 mm tubes	blue	100	9.400 316	6,50	5,58

NMR Tube Rack, PP



For 72 (6 x 12) tubes with 3 or 5 mm diameter.
Autoclavable.

-30%

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
				EUR	EUR
NMR Tube Rack	210 x 110 x 220	1	9.301 065	92,70	65,59

LLG-Headspace-Precision Thread Vials ND18



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



10
22.5 x 46
clear
rounded bottom
100
9.003 466
38,00
26,60



10
22.5 x 46
amber
rounded bottom
100
6.290 106
60,00
42,00



20
22.5 x 75.5
clear
rounded bottom
100
4.008 270
42,80
29,96



20
22.5 x 75.5
amber
rounded bottom
100
4.678 396
65,00
45,50

-30%

LLG-Magnetic Universal Screw Seals ND18 for Precision Thread Vials ND18



Caps	Septa	Hardness	Thickness	PK	Cat. No.	Price	Now
			mm			EUR	EUR
silver, center hole	Butyl red / PTFE grey	55° shore A	1.6	100	4.008 269	55,10	38,57
silver, center hole	Silicone blue transparent/ PTFE white	45° shore A	1.3	100	6.241 111	78,00	54,60
silver, center hole	Silicone white / PTFE blue	55° shore A	1.5	100	4.008 268	102,30	71,61

-30%

Screw caps GL 45 with general purpose coupling, BQ45GL Series



PMC12 Serie



The bottle caps with quick disconnect coupling or FitQuik® tubing connection integrated in a cap for all common laboratory bottles with GL 45 thread, blue. The BQ45GL series has a hydrophobic packaging vent, a polyethylene gasket and hose barb with 1/1" (6.35 mm) ID for mounting a dip tube.

- For all bottles with thread GL 45
- Factory-installed quick couplings
- Tight closure even without seal
- One hand operation

Specifications

Nominal size: 1/4"
Operating temperature: 0 ... 49 °C

-20%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Coupling PMC12 Series	1	4.662 842	32,70	26,04
Coupling plug PMC12 Series	1	4.662 843	36,10	28,74
FitQuik® tubing connection	1	4.662 844	25,20	20,05

Exhaust Filter, PP

Lid with integrated ventilation openings and service life indicator. The filling of activated carbon is protected by two porous membranes made of PE. This allows an unobstructed flow of exhaust air, solvents are adsorbed by the activated carbon and only filtered air streams out.



MEDIUM

b.safe

-10%

Type	Life time	Neck thread	PK	Cat. No.	Price	Now
		GL			EUR	EUR
SMALL	3 months	14	2	6.313 839	91,60	82,52
MEDIUM	6 months	14	2	6.313 840	139,50	125,77
LARGE	6 months	14	2	6.313 841	207,20	186,77

Air valves, PP

Red/yellow. With connecting thread UNF 1/4" 28G. Filter membrane made of PTFE/PP with a porosity of 1 µm and integrated non-return valve made of silicone. With service life indicator.



b.safe

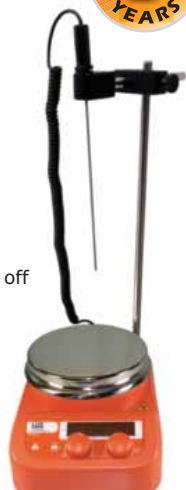
-10%

Diam.	Life time	PK	Cat. No.	Price	Now
mm				EUR	EUR
20	6 months	2	6.313 842	34,40	31,02
20	6 months	10	6.313 843	166,40	149,99
20	6 months	50	6.313 844	676,90	610,29

Magnetic stirrer with heating LLG-uniSTIRRER 3, complete set



With PT1000



- LED display to set the exact rotation speed and the temperature
- Digital controlled rotation speed and temperature
- 'HOT' warning sign, even if the device is switched off
- Stainless steel surface
- **Delivered as complete set:** magnetic stirrer, sensor PT1000, stand rod and sensor holder
- Integrated temperature control

Delivery includes: Magnetic stirrer with PT1000 probe, rod, holder

Specifications

Stirring quantity (H ₂ O):	3 l
Speed range:	200 ... 1500 rpm
Display accuracy:	±10 rpm
Magnetic bar:	max. 50 mm
Display:	LED
Heating plate:	Ø 135 mm
Permissible ambient temperature:	5 ... 40 °C
Temperature range:	RT ... 280 °C
Setting accuracy:	±1 °C
Control accuracy:	±2 °C
Heat output:	500 W
Safety temperature:	320 °C
Length PT1000 sensor:	198 mm
Dimensions (W x D x H):	155 x 215 x 100 mm
Weight:	1.5 kg
Power supply:	200 ... 240 V, 50/60 Hz

IP code:

IP 42

-30%

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniSTIRRER 3	EU	1	6.263 410	EUR 349,00	EUR 244,30
LLG-uniSTIRRER 3	UK	1	6.263 411	EUR 374,40	EUR 262,08

Magnetic stirrer AREC/AREC.X



- Electronic speed control
- White ceramic top plate
- Housing and top plate resistant to acids, bases, solvents and scratches
- Torque compensation to keep the speed constant in case of viscosity changes
- Ergonomic control panel separated from the heating plate
- LED display for temperature and speed

AREC: Magnetic stirrer with heating

AREC.X: Magnetic stirrer with heating and connection for temperature controller VTF

Specifications

Volume (H ₂ O):	15 l
Motor rating:	800 W
Speed (max.):	1500 rpm
Number of stirring positions:	1
Display:	Digital
Temperature range:	RT ... 550 °C
Stirring position material:	Ceramic
Stirring position (W x D):	180 x 180 mm
Dimensions (W x D x H):	203 x 344 x 94 mm
Weight:	3.5 kg
Power supply:	230 V, 50/60 Hz

-10%

Type	PK	Cat. No.	Price	Now
AREC	1	4.681 928	EUR 435,00	EUR 391,34
AREC.X	1	4.681 930	EUR 471,00	EUR 423,74

Overhead mixer LLG-uniROTATOR 2



- Compact design
- Easy to clean thanks to easily replaceable retaining clips
- Non-slip, adjustable screw feet

Scope of delivery: Overhead mixer incl. 12 clamps each for 2 ml, 15 ml and 50 ml tubes

Specifications

Type of movement:	overhead
Speed:	0 ... 80 rpm
Rotation angle:	360°
Permissible shaking weight (incl. attachment):	2 kg
Permissible relative moisture:	80 %
Permissible ambient temperature:	5 ... 40 °C
Motor rating input:	20 W
Dimensions (W x D x H):	530 x 150 x 190 mm
Power supply:	100 ... 240 V, 50/60 Hz

IP code:

IP 21

-30%

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniROTATOR 2	EU	1	6.263 660	EUR 455,00	EUR 318,50
LLG-uniROTATOR 2	UK	1	6.263 661	EUR 495,00	EUR 304,50

Dissolver stirring rotors, stainless steel 1.4404



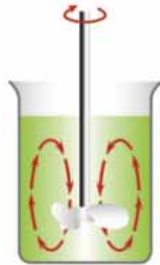
IKA®

The dissolver stirring rotor creates a radial flow with high turbulence. Recommended for medium to high speed operations.

-5%

Ø agitator mm	Ø agitator shaft mm	Length mm	PK	Cat. No.	Price EUR	Now EUR
40	8	350	1	9.197 007	457,00	435,06
80	8	350	1	9.197 001	293,00	278,94
100	10	350	1	9.197 003	616,00	586,43

Diagonal blade stirring rotors, 4-blade, stainless steel 1.4404



IKA®

The 4-blade diagonal blade agitator ensures an axial flow pattern. Medium to high speeds are recommended for optimal operation.

-5%

Ø agitator mm	Ø agitator shaft mm	Length mm	PK	Cat. No.	Price EUR	Now EUR
50	8	350	1	9.197 006	164,00	156,13
100	8	540	1	9.197 009	202,00	192,30

LLG-Magnetic stirring bars, cylindrical, PTFE, eco pack



LLG
LABWARE

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

-30%

Diam. mm	Length mm	PK	Cat. No.	Price EUR	Now EUR
6	10	10	9.198 910	14,60	10,22
6	12	10	9.198 911	14,20	9,94
6	15	10	9.198 919	15,60	10,92
6	20	10	9.198 920	18,70	13,09
6	25	10	9.198 925	19,60	13,72
8	25	10	9.198 967	19,70	13,79
6	30	10	9.198 930	21,60	15,12
6	35	10	9.198 935	23,90	16,73
8	40	10	9.198 940	24,80	17,36
8	45	10	9.198 945	26,40	18,48
8	50	10	9.198 950	27,40	19,18
9	60	10	9.198 960	29,80	21,05
9	70	10	9.198 970	37,50	26,25
9	80	10	9.198 980	42,50	29,75

Overhead stirrer RW 20 digital



IKA®

- Technical improvements on the trusted RW20 series design, mechanically controlled
- With digital display
- Robust, ergonomic design
- Constant power-drive
- Two speed ranges for universal use from 60 rpm to 2000 rpm
- Hollow-shafted chuck for rotor shaft height adjustment (only when stationary)

Specifications

Stirring volume max. (H ₂ O):	20 L
Viscosity range:	up to 10000 mPas
Motor rating input/output:	70/35 W
Output max. at stirring shaft:	26 W
Max. stirring shaft torque (at 100 rpm.):	150 Ncm
Speed range I (at 50 Hz):	60 to 500 rpm
Speed range II (at 50 Hz):	240 to 2000 rpm
Chuck range:	0.5 to 10 mm
Diameter/length of extension arm:	13 mm/160 mm
Dimensions (W x D x H)	88 x 212 x 294 mm
Weight:	3.1 kg
Protection class acc. to DIN EN 60529:	IP 20
Supply requirements:	230 V 50/60 Hz
Tested to DIN EN IEC 61010-1.	

-5%

Type	Plug type	PK	Cat. No.	Price EUR	Now EUR
RW 20 digital	EU	1	9.816 622	1.437,00	1.368,02
RW 20 digital	UK	1	6.227 717	1.437,00	1.368,02

Optional accessories: Stands: R 1825, R 1826, R 1827, R 182 Boss head, FK 1 Flexible coupling, RH 3 Strap clamp, R 301 Stirring shaft protection, Stirring elements: e.g. R 1342, R 1381

Please order accessories separately.

Plate stands for overhead stirrers



-5%

Type	Rod diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
R 1825	16	560	1	9.224 031	315,00	299,88
R 1826	16	800	1	9.224 032	347,00	330,34

Digital dry bath LLG-uniBLOCKTHERM



Suitable for use in microbiological, histological, clinical, industrial and environmental laboratories.

- Digital control with LED display
- Can be used up to 120 °C
- For timer and continuous operation
- 1 x block unit

Scope of supply: LLG-uniBLOCKTHERM, removal tool, lid

Please order heating blocks separately.

Specifications

Temperature range:	RT ... 120 °C
Temperature uniformity:	±0.5 °C
Temperature accuracy:	±0.5 °C
Timer:	0 ... 99:59:00 min
Block material:	Aluminium
Dimensions (W x D x H):	175 x 290 x 85 mm
Weight:	3 kg
Power supply:	220 ... 240 V, 50/60 Hz

-30%

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniBLOCKTHERM	EU	1	6.263 460	EUR 510,00	EUR 357,00
LLG-uniBLOCKTHERM	UK	1	6.263 461	EUR 510,00	EUR 357,00

Heating blocks



Dimensions Heating blocks (W x D x H):
95 x 150 x 50 mm

-28%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
54 x 0.2 ml	1	6.263 462	99,50	71,32
40 x 0.5 ml	1	6.263 463	99,50	77,90
40 x 1.5 ml	1	6.263 464	99,50	71,32
40 x 2.0 ml	1	6.263 465	99,50	71,32
28 x 5/15 ml	1	6.263 466	99,50	71,32
8 x 50 ml	1	6.263 467	99,50	71,32
for 96/384 Microplate	1	6.263 468	99,50	71,32
for each 18 x 0.2 ml, 0.5 ml and 1.5/2.0 ml	1	6.263 469	99,50	71,32

Universal drying oven LLG-uniOVEN 42 and LLG-uniOVEN 110



LLG-uniOVEN 42



LLG-uniOVEN 110

Microprocessor controlled universal drying oven with **forced convection** including two shelves.

- Microprocessor control with integrated self-diagnosis system.
- Digital LED display for temperature and time
- **Timer** for programme duration from 1 minute to 99.9 hours as well as continuously
- Acoustic and optical alarm in case of temperature differences
- Interior made of stainless steel

Scope of supply: LLG-uniOVEN incl. 2 shelves

Specifications

Internal volume:	LLG-uniOVEN 42 // LLG-uniOVEN 110
Temperature range:	42 I // 110 I
Temperature accuracy:	50 ... 250 °C
Temperature uniformity:	±1 °C (at 70 °C)
Permissible ambient temperature:	±2 °C (at 70 °C)
Permissible relative moisture:	5 ... 40 °C
Dimensions (W x D x H):	80 %, not condensing
Weight:	420 x 280 x 360 mm //
Power supply:	500 x 445 x 500 mm
	39 kg // 66 kg
	230 V, 50/60 Hz

-30%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniOVEN 42	EU	1	6.263 670	1.275,00	892,50
LLG-uniOVEN 42	UK	1	6.263 673	1.281,25	896,88
LLG-uniOVEN 110	EU	1	6.263 675	1.540,00	1.078,00
LLG-uniOVEN 110	UK	1	6.263 678	1.546,25	1.082,38

LLG-Porcelain evaporating dishes with spout, flat bottom, medium form



-30%

Glazed. For temperatures up to 1000 °C.

Capacity	Ext. diam.	Height	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
22	54	22	1	7.970 673	9,20	6,44
62	70	30	1	6.268 802	9,33	6,52
93	86	33	1	6.251 474	13,40	9,38
154	98	40	1	6.253 566	13,90	9,73
265	112	50	1	6.262 379	18,00	12,60
330	126	53	1	6.257 949	20,00	14,00
450	145	55	1	6.269 244	26,80	18,76
620	151	63	1	6.257 950	28,90	20,23

Crucible tongs, chromated steel



-30%

With bow and flutes.

Length	PK	Cat. No.	Price	Now
mm			EUR	EUR
250	10	4.678 589	69,50	48,65
400	10	6.289 147	118,70	83,09
300	10	6.323 756	95,00	66,50

Safety Gloves uvex k-basic extra 6658, Heat-Protection up to +250 °C

EN 388 EN 407



2442D X2XXXX



Combination of Kevlar® and cotton. 1 pair per pack.

Length: 220 mm to 270 mm
 Colour: yellow
 EN: 388 (2 4 4 2 D), EN 407 (X 2 X X X X X)

-30%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
8	1	9.414 660	43,20	30,24
10	1	9.414 661	43,20	30,24
12	1	9.414 662	43,20	30,24

Muffle furnaces up to 1300 °C



Muffle furnaces with fibre-insulated chambers and ceramic heating plates.

- Doors opening sideways, upwards or downwards, depending on model
- Outer casing made of powder-coated sheet metal
- Ceramic base plate
- Control panel in the lower part of the oven
- Incl. door safety switch
- Fast heat-up time
- Good stability and temperature distribution
- Low energy consumption
- With adjustable temperature and time (not programmable)
- With Omron E5CC controller

Type designation "1100" for temperatures up to 1100 °C.

Type designation "1300" for temperatures up to 1300 °C.

Type	Nom. capacity L	Door opening	PK	Cat. No.	Price
					EUR
SNOL 3/1100 LHM01	3	Top	1	4.669 202	1.321,95
SNOL 8.2/1100 LHM01	8	Top	1	4.669 203	1.675,14
SNOL 8.2/1100 LSM01	8	Side	1	4.669 204	1.463,22
SNOL 8.2/1100 LHM01	8	Down	1	4.669 205	1.624,68
SNOL 13/1100 LHM01	13	Top	1	4.669 206	2.068,70
SNOL 22/1100 LHM01	22	Top	1	4.669 207	2.744,81
SNOL 39/1100 LHM01	39	Top	1	4.669 208	3.723,65
SNOL 6.7/1300 LSM01	7	Side	1	4.669 209	2.411,80
SNOL 10/1300 LSM01	10	Side	1	4.686 931	3.270,00

LLG-Heat/Cold hand protector "TempHand", silicone rubber



Gripper made of red silicone rubber to protect hands when handling hot or cold vessels. Suitable for temperatures from -50 °C up to 250 °C. Two grip openings for quick and easy use. One size fits all, can be used on both sides. With non-slip grip surface.

-30%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Heat/Cold hand protector "TempHand"	1	6.322 889	36,00	25,20

Temperature Measurement

Mini data logger testo 174T

- High data integrity, even with empty battery
- Large measurement data memory
- Watertight in accordance with IP 65
- Conforms to EN12830
- Issue of alarms via display
- Data transfer to the PC via USB interface

Scope of supply:

Testo 174T: Mini data logger, 1-channel, incl. wall bracket, battery and calibration protocol

Testo 174T-Set: Mini data logger, 1-channel, incl. USB interface for programming and reading out the logger, wall bracket, battery, calibration protocol



testo 174T

Specifications

Probe type:	Internal NTC temperature sensor
Measuring range:	-30 to +70 °C
Accuracy:	±0.5 °C
Resolution:	0.1 °C
Operating temperature:	-30 to +70 °C
Storage temperature:	-40 to +70 °C
Battery type:	2 x 3V button cell (2 x CR 2032 lithium), can be changed by user
Battery life:	500 days (15 min measuring cycle, +25 °C)
Protection class:	IP 65
Meas. cycle:	1 min - 24 h (can be selected)
Memory:	16000 readings
Software:	can be used with Windows XP, Vista, Win7

-5%

Type	PK	Cat. No.	Price	Now
testo 174T	1	7.626 604	EUR 53,00	EUR 50,46
testo 174T-Set	1	7.626 614	EUR 120,00	EUR 114,24

LLG-Min./Max. Thermometer with outdoor sensor

- Two-tier LCD display
- Measuring temperature range -50 °C to 70 °C, can be switched to °F
- Display resolution 0.1 °C
- Accuracy ±1 °C
- Dimensions 110 x 70 x 20 mm
- AAA 1.5 V 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 14,50	EUR 10,15

Standard PDF Data Logger EBI 300



- For temperature monitoring related to HACCP/IFS issues or other perishable goods
- Evaluation without software, PDF are automatically generated
- EN 12830, ATP, VO(EG) 37/2005 Compliant
- Factory calibration certificate included
- Programmable via the free online configurator at www.ebi300.com

EBI 300: PDF data logger with internal temperature sensor

EBI 300 TH: PDF data logger with external humidity and temperature sensor, internal temperature sensor can also be used

Specifications

Ambient Temperature:	-30 to +70 °C
Measuring range Temp. EBI 300/300 TH:	-30 to +70 °C
Measuring range Humidity EBI 300 TH:	0 to 100 % r.F.
Accuracy Temperature:	±0.5 °C (-20 to +40 °C), ±0.8 °C for remaining range
Accuracy Humidity:	±3 % (10 to 90 % rh), ±5 % for remaining range
Resolution Temperature/Humidity:	0.1 °C/0.1 % rh
Battery life time:	up to two years
Measuring period:	1 minute to 24 hours
Maximum Start Delay:	72 h
Measuring modes:	Start/Stop, endless loop, start with button
Weight:	35 g
IP code:	IP 65

-12%

Type	PK	Cat. No.	Price	Now
EBI 300	1	7.655 865	EUR 87,00	EUR 76,91
EBI 300 TH	1	6.266 910	EUR 148,00	EUR 130,83

LLG-Low temperature thermometers



Suitable for official calibration. Enclosed scale type, 8 to 9 mm diameter, with translucent glass scale and Richter seal. Prismatic, uncoated measuring capillary. The -200 to 30 °C thermometer has a luminous blue measuring capillary, and is pentane filled. Further thermometers are available, red toluene filled with uncoated measuring capillary. Graduated every 1 °C.

-30%

Measuring range	Length	PK	Cat. No.	Price	Now
°C	mm			EUR	EUR
-50 ... 50	300	1	9.235 705	EUR 26,10	EUR 25,27
-100 ... 30	300	1	9.235 710	EUR 43,40	EUR 30,38
-200 ... 30	300	1	9.235 720	EUR 89,50	EUR 62,65

Distilled water

Deionized and UV irradiated.
Acc to DIN 43530/EN 385.
In plastic canister.



-15%

Specifications

pH value: <7.0
Conductivity: <5 µS/cm
Hardness: <0.02 mmol/l
Chlorine content: <2 mg/l

Capacity	PK	Cat. No.	Price	Now
L			EUR	EUR
10.0	1	6.273 852	7,65	6,47
20.0	1	6.280 900	17,30	14,63

Erlenmeyer flasks, Borosilicate glass 3.3



Narrow neck

- DIN ISO 1773
- With graduations and beaded rim

-30%

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	58,20	40,74
50	22	51	90	10	9.141 080	42,10	29,47
100	22	64	105	10	9.141 081	39,90	27,93
200	34	79	135	10	9.141 085	32,40	22,68
250	34	85	145	10	9.141 082	40,70	28,49
300	34	87	160	10	9.141 086	34,90	24,43
500	34	105	180	10	9.141 083	48,80	34,16
1000	42	131	220	10	9.141 084	96,20	67,34
2000	50	166	280	10	6.270 089	109,70	76,79
3000	50	187	310	1	6.270 118	28,10	19,67
5000	50	220	365	1	6.270 119	64,20	44,94

Wide neck

- DIN ISO 24450
- With graduations and beaded rim

-30%

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	70,10	49,07
50	34	51	85	10	9.141 180	41,90	29,33
100	34	64	105	10	9.141 181	43,50	30,45
200	50	79	131	10	9.141 187	58,50	40,95
250	50	85	140	10	9.141 182	44,30	31,01
300	50	87	156	10	9.141 183	47,80	33,46
500	50	105	175	10	9.141 184	63,30	44,31
1000	50	131	220	10	9.141 185	106,30	74,41
2000	69	166	280	10	6.270 181	91,00	63,70

Ultrasonic cleaning units Elmasonic Select



NEW

Versatile ultrasonic baths with an ultrasonic frequency of 37 kHz, 5 ultrasonic modes (dynamic, pulse, sweep, degas, eco), heating and the possibility to save up to 4 individual cleaning programmes.

- Mode dynamic combines pulse and sweep mode for higher cleaning performance
- Mode pulse for powerful sample preparation
- Mode sweep for uniform cleaning throughout the bath
- Mode degas is optimised for degassing liquids
- Mode eco for quiet, energy-efficient operation and longer lifetime
- Digital control panel with wipeable membrane keypad and easy-to-read display for all operating states
- Setup menu for individual adjustment of the device functions
- Autostart function for temperature-controlled start of cleaning
- Optical and acoustic feedback
- Pre-selection of cleaning time
- Dry run protection
- Adjustable limit temperature from 40 to 60 °C
- With stopcock (except Select 30 and 40)

Scope of supply: Ultrasonic bath, lid

Specifications

Temperature: 25 ... 80 °C
Sound pressure level (LpAU): <80 dB
Ultrasonic sound level (LpZ): <110 dB
Power supply: 220 ... 240 V~, 50/60 Hz
IP code: IP 20

-18%

Type	Capacity of the bath litres	Description	Rating	PK	Cat. No.	Price	Now
			W			EUR	EUR
Select 30	2.7	Plastic lid	320	1	6.321 722	665,00	543,69
Select 40	3.9	Plastic lid	320	1	4.684 652	995,00	813,47
Select 60	5.9	Plastic lid	550	1	4.684 653	1.170,00	956,54
Select 80	9.3	Plastic lid	750	1	4.684 654	1.360,00	1.111,88
Select 100	9.5	Plastic lid	550	1	4.684 655	1.390,00	1.136,42

LLG-Weighting rings, Cast iron, vinyl coated



-30%

For flasks	Int. diam.	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
100 ... 500	48	1	4.682 062	29,60	20,72
250 ... 1000	56	1	4.682 063	32,60	22,82
500 ... 2000	61	1	4.682 064	37,90	26,53
1000 ... 4000	74	1	4.682 065	40,80	28,56

Rotary vane pump CRVpro 8 CHEM XC



Chemical resistant

WELCH Formerly ILMVAC
by Gardner Denver

NEW



The CRVpro 8 Chem XC is a corrosion-optimised version of the CRVpro 8 rotary vane pump particularly suitable for pumping corrosive and chemical gases and vapors as well as drying samples, including aggressive chemicals such as TFA, acetonitrile, HBr and others.

- Coating of the inner surfaces to protect against corrosion
- Oil filter uses an aluminum oxide element that neutralises acids and removes solid reaction products from the oil
- The use of a high-quality synthetic vacuum oil ensures excellent chemical resistance and therefore a long service life

Specifications

Ultimate pressure without gas ballast partial: 5×10^{-4} mbar
Ultimate pressure without gas ballast total: 2×10^{-3} mbar
Ultimate pressure with gas ballast total: 7×10^{-2} mbar
Connection inlet/outlet: DN 16 KF
Dimensions (W x D x H): 463 x 282 x 234 mm
Power supply: 220 ... 240 V or 115/230 V, 50/60 Hz

IP code:

Type	Suction rate (50/60 Hz) L / min.	Oil capacity ml	PK	Cat. No.	Price	Now
CRVpro 8 CHEM XC	7,3 / 8,6	2700	1	6.323 553	EUR 4.295,00	EUR 3.872,00

-10%

Desiccator Nalgene™, Type 5311, PC



Thermo
SCIENTIFIC

With tap. 0.95 bar vacuum is maintained over 24 h. With silicone ring, no greasing necessary. Suitable for 230 mm enamel insert plates. Max. Height above plate 195 mm. Plate not included in delivery.

External diameter: 280 mm
Internal diameter: 251 mm

Type	PK	Cat. No.	Price	Now
5311	1	9.042 690	EUR 161,60	EUR 113,12

-30%

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.

- High measuring accuracy
- With support rod
- All parts in contact with media are made of chemically resistant materials

Scope of supply: Vacuum measuring instrument with connections for small flange D16, compression fitting and tubing nozzle for tubing with 6 to 10 mm ID.

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: 9V battery
Dimensions (W x D x H): 115 x 115 x 66 mm
Weight: 0.40 kg

Type	PK	Cat. No.	Price
DVR 2 pro	1	6.263 582	EUR 611,52

Desiccators, borosilicate glass 3.3, with plastic knob

SIMAX



Clear glass, with porcelain plate, without vacuum connector.

-30%

Ext. diam.	Plate diam.	DN	PK	Cat. No.	Price	Now
mm	mm				EUR	EUR
151	90	100	1	9.042 810	103,00	72,73
210	140	150	1	9.042 811	145,00	102,13
269	190	200	1	6.230 515	182,00	128,03
329	240	250	1	9.042 812	306,60	214,62
392	290	300	1	6.225 773	441,50	309,05

Precision balances Entris® II, LLG Premium Line

The evolution of the Entris® balance series. The large portfolio offers the right model for every weighing task. With many convenience functions for efficiency and accuracy in the laboratory. Quality "Made in Germany".

- Modern sensors ensure very fast stabilisation time
- Automatic, internal calibration and adjustment function (isoCAL) for all "i" models
- Weighing platform made of stainless steel
- Excellent readability and operability with hybrid touch display



SARTORIUS



- **LLG Premium Line**
- **Quality "Made in Germany"**
- **Very fast stabilization and settling times**
- **High chemical resistance**

Entris® II

Scope of supply:

Precision balance,
power supply unit,
display protection cover



Specifications

Readability: 0.01 g
Weighing platform: 182 x 182 mm
Dimensions (W x D x H): 219 x 317 x 94 mm
Power supply: 100 ... 240 V,
50 ... 60 Hz

-30%

Type	Capacity	PK	Cat. No.	Price	Now
	g			EUR	EUR
BCE622i-1S	620	1	4.669 160	1.210,00	847,00
BCE822i-1S	820	1	4.669 184	1.330,00	931,00
BCE2202i-1S	2200	1	4.669 120	1.550,00	1.085,00
BCE3202i-1S	3200	1	4.669 132	1.670,00	1.169,00
BCE4202i-1S	4200	1	4.669 140	1.770,00	1.239,00
BCE6202i-1S	6200	1	4.669 156	2.000,00	1.400,00

Entris® II with square windshield

High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreen against electrostatic charge.

Scope of supply: Precision balance,
power supply unit, display protection cover



Specifications

Readability: 1 mg
Reproducibility: ±1 mg
Linearity: ±0.6 mg
Weighing platform: Ø 120 mm
Weighing space height: 240 mm
Dimensions (W x D x H): 219 x 317 x 345 mm
Weight: 6.3 kg
Power supply: 100 ... 240 V,
50 ... 60 Hz

-30%

Type	Capacity	PK	Cat. No.	Price	Now
	g			EUR	EUR
BCE223i-1S	220	1	4.669 124	1.330,00	931,00
BCE323i-1S	320	1	4.669 136	1.450,00	1.015,00
BCE623i-1S	620	1	4.669 164	1.770,00	1.239,00

Portable Balances, Scout® SKX

- With its bright, backlit LCD display and 4-key operation, the new Scout® is easy to read and simple to use.
- A variety of connection options are available for data logging and communication
- High weighing speed and high resolution, repeatable and reliable results
- Application: Weighing, density determination, mole weighing.
- Power supply (included), batteries (not included)
- Optional RS232 interface, USB host, USB device, Bluetooth or Ethernet
- ABS housing, stainless steel weighing plate, replaceable protective work cover
- Integrated below-balance weighing hook for under-balance weighing applications, transport lockout, removable stainless steel weighing platform, stability indicator, overload and underload indicators, battery level indicator, auto power off



SKX222



SKX1202

-21%

Type	Capacity	Plate dimensions	PK	Cat. No.	Price	Now
	g	mm			EUR	EUR
SKX123	120	diam. 93	1	6.281 344	470,00	370,74
SKX222	220	diam. 120	1	6.281 345	344,00	271,35
SKX422	420	diam. 120	1	6.281 346	411,00	324,20
SKX622	620	diam. 120	1	6.281 347	446,00	351,80
SKX1202	1200	170 x 140	1	6.281 348	525,00	414,12
SKX2202	2200	170 x 140	1	6.281 349	565,00	445,67
SKX2201	2200	170 x 140	1	6.281 352	399,00	267,40

LLG-Sample dishes, Aluminium



High quality aluminium sample dishes,
for moisture determination.

-30%

Description	Diam.	Height	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Sample dishes	90	7	80	6.282 670	38,20	26,74
Sample dishes	100	7	80	6.265 408	39,00	27,30
Sample dishes with rim	100	7	80	6.281 537	39,00	27,30

LABORTOPS

Rotary Evaporator RV 3 V/RV 3 V-C

IKA®

The new RV 3 is the ideal entry-level model of the IKA rotary evaporator portfolio. Thanks to specially designed glass guides, the vertical condenser makes extremely efficient use of the 1500 cm² cooling surface.

- 4L water heating bath with digital temperature display and carrying handles
- Mechanical lift end-point safety stop
- Locking mechanism: red indicator shows unlocked position of the vapor tube
- Manual lift for precise positioning of the glassware, single-handed, suitable for left and right-handed operators
- Adjustable immersion angle
- Stepless speed setting with dial control and speed display
- Flask clamping mechanism with integrated push-off function for easy exchange of evaporation flasks

Scope of supply:

RV 3 V: Rotary Evaporator RV 3 eco, Heating bath HB eco, vertical glassware RV 10.1

RV 3 V-C: Rotary Evaporator RV 3 eco, Heating bath HB eco, vertical coated glassware RV 10.10

Specifications

Speed range:	20 ... 300 rpm
Stroke displacement:	150 mm
Bath volume:	4 L
Temperature range:	ambient ... 90 °C
Heating power:	1400 W
Permissible ambient temperature:	5 ... 40 °C
Permissible relative humidity:	80 %
Dimensions (W x D x H):	440 x 330 x 530 mm
Weight:	13.5 kg
Protection class according to DIN EN 60529:	IP 20
Power supply:	100 ... 240 V/50/60 Hz



- Easy operation
- Heating bath included
- High safety



-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
RV 3 V	1	6.273 133	2.694,00	2.564,69
RV 3 V-C	1	4.661 996	2.872,00	2.734,14