

2025 Labortops VALID UNTIL 31.12.2025

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Temperature logger, testo 175-H1





2-channel temperature and humidity data logger with external humidity sensor (NTC/capacitive humidity sensor)

- Professional long-term monitoring of temperature and humidity in work and storage rooms

Digital hand held thermometer TTX 200



For measuring the core temperature with a fixed probe with a cable and a handle.

- Very large display with large figures
- Factory calibration certificate



-ebro a xylem brand

Specifications

Channels: Measurement units: Measuring ranges: Temperature (NTC):

Humidity (capacitive): Dew point:

Operation and storage

temperature:

Battery type: IP code:

Meas. cycle: Memory:

2 x internal (stump) °C, °F,%r.F.,%RH, °Ctd, g/m³

-20 ... +55 °C 0 ... 100% r.h. -40 ... +50 °Ctd

-20 ... +55 °C

3 x AlMn Type AAA or Energizer

IP 54 10sec - 24h

1 mio. measurement

•	values	-15%	ĺ
Туре	PK Cat. No.	Price Nov	,
		EUR EUR	3
testo 175-H1	1 6.242 911	323,00 274,5 !	i

Specifications

-30 ... +199.9 °C ±0.5 °C (-30 ... +100 °C), Temperature range:

Accuracy: otherwise ±1%

Sensor length/diam.: 120 mm/3 mm 600 mm Cable length: -20 .. +60 °C Working temperature:

127 x 60 x 16 mm (without sensor) Dimensions (L x W x H):

Weight: approx. 220 g CR 2032 Power supply: Protection class: IP 55

-35%				
Now	Price	Cat. No.	Pk	Туре
EUR	EUR			
71,50	110,00	6.291 272	1	TTX 200

Wireless min./max. alarm thermometer type 13090





SCHNEIDER Very simple operation

> Handy infrared thermometer for non-contact measurement of surface temperature or core temperature with the foldable insertion probe.

insertion thermometer TLC 750i-V2

- Practical pocket size for daily use

Combi infrared and

- Backlit display allows reading in dark environment
- Rotating display makes it easy to read the measured
- Double laser pointer
- HACCP and DIN EN 13485 compliant, incl. calibration certificate
- Waterproof housing (IP 65)

- Triple display for current, min./max. temperature, as well as indoor/outdoor and wireless temperature - Adjustable Hi/Low alarm

freezers for quality assurance.

Scope of supply: Bottle temperature sensor with 1 m cable, wireless temperature sensor (transmitter)

Temperature range (internal): Temperature range (external, wireless): Temperature range (external, cable): Resolution:

Wireless distance:

0 ... 50 °C -40 ... 50 °C

-50 ... 70 °C 0.1 °C

50 m (open field), 10 m (refrigerator)

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
13090	1	6.325 021	71,63	53,72

Temparature infrared: -50 ... 250 °C Resolution infrared: 0.1 °C

±0.5 °C (-30 ... 99 °C) Accuracy sensor: ±1.0 °C (0 ... 65 °C) Accuracy infrared:

				-35%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
TLC 750i-V2	1	6.491 695	143,00	92,95

Multiparameter meters MultiLab® Pro IDS



- 2- or 4-channel device
- No electrode change necessary
- 7" touch screen
- Suitable for IDS electrodes

Digital multiparameter meter with up to 4 galvanically isolated measuring channels for pH, ORP, mV, conductivity, oxygen, ISE and turbidity measurements. This allows up to 4 identical or different parameters to be measured simultaneously. Ideal for demanding tasks, even in critical (GxP) areas. The brilliant 7" touch display with special touchscreen glass is resistant to alcohol and disinfectants and can be operated with gloves. Predefined methods, automated documentation, metadata backup and onboard manual simplify handling and optimise the workflow.

- Wireless-ready for Intelligent Digital Sensors (IDS) modules
- Digital sensor recognition
- Wired or wireless sensor connection possible
- Preset and definable buffer sets
- QSC calibration
- AutoRead function
- LIMS ready: easy integration into existing LIMS systems
- Stored metadata is securely transferred via the LAN network
- Data export also as PDF/A, JSON and csv
- Interfaces: 2 x USB-A and 1 x Ethernet
- GxP-compliant



Scope of supply:

MultiLab® Pro 20 IDS S2: Multiparameter meter with 2 measuring channels, pH electrode SenTix® 980, digital conductivity measuring cell TetraCon® 925, pH buffers STP 4, STP 7 and STP 10 Trace, 3 mol KCl solution, conductivity standard 1413 μS/cm, stand, universal power supply

MultiLab® Pro 40 IDS S4: Multiparameter meter with 4 measuring channels, pH electrode SenTix® 980, ORP electrode SenTix® ORP-T 900, digital conductivity measuring cell TetraCon® 925, digital oxygen sensor FDO® 925, pH buffers STP 4, STP 7 and STP 10 Trace, 3 mol KCl solution, conductivity standard 1413 µS/cm, stand, universal power supply

					-25%
Туре	Channels	PK	Cat. No.	Price	Now
				EUR	EUR
MultiLab® Pro 20 IDS S2	2	1	4.712 712	3.553,00	2.664,75
MultiLab® Pro 40 IDS S4	4	1	4.712 715	5.783,00	4.337,25

pH buffer solutions at 20 °C/25 °C, certified reference material (CRM)





Certified reference material according to ISO 17034. The pH buffer solutions are colour-coded, and the uncertainty of measurement of ± 0.01 pH was tested at 20 °C/25 °C. Supplied with a detailed certification report which includes traceability to NIST.

						-20%
pH- value	Colour	Capacity	PK	Cat. No.	Price	Now
		ml			EUR	EUR
4.00 at 20 °C	red	500	1	4.695 385	34,20	27,36
7.00 at 20 °C	yellow	500	1	4.695 386	34,20	27,36
10.00 at 20 °C	colourless	500	1	6.493 481	44,80	31,36
4.00 at 25 °C	red	500	1	4.695 403	35,30	28,24
7.00 at 25 °C	yellow	500	1	4.695 404	35,30	28,24
10.00 at 25 °C	colourless	500	1	6.493 482	44,80	31,36

LLG-Universal Indicator strips "Premium", in vial with snap lid





050/

Flip-top vial is easy to open and close with one hand. The new LLG pH strips offer the utmost in convenience and ease of use in laboratory-grade testing. With a single colour match and a 12 mm reagent pad, these universal pH strips (0.0-14.0) belong in every lab.

					-20%
Range	Package contents	PK	Cat. No.	Price	Now
pH				EUR	EUR
0 14	100 strips per vial with snap lid	100	9.129 808	18,30	14,64

LLG filter papers for qualitative analyses





Medium fast

- Made from 100% cellulose
- Filtration speed according to DIN 53137

						-20%
Diam.	Filtration time	Pore size	PK	Cat. No.	Price	Now
mm	secs.	μm			EUR	EUR
70	88	5 - 13	100	9.045 803	10,60	8,48
90	88	5 - 13	100	9.045 804	11,70	9,36
110	88	5 - 13	100	9.045 805	12,60	10,08
125	88	5 - 13	100	9.045 806	13,60	10,88
150	88	5 - 13	100	9.045 807	16,20	12,96
185	88	5 - 13	100	9.045 808	19,10	15,28
240	88	5 - 13	100	9.045 809	25,70	20,56

Syringeless filters SEPARA





- Quick and easy to use
- Low sample loss



SEPARA integrates in one single device auto-sampler vial, filtration membrane, plunger, and cap/septa. The single step filtering process is efficient and saves time. PP vial with Ø 12 x 33 mm, Filtering capacity 0.48 ml, dead volume <30 μ l, maximum operating temperature 50 °C

						-30%
Membrane	Pore size	Colour	PK	Cat. No.	Price	Now
	μm				EUR	EUR
Nylon	0.22	light blue	100	6.287 339	133,70	93,59
PTFE	0.22	pink	100	6.287 340	133,70	93,59
Regen. Cellulose	0.22	grey	100	6.287 341	133,70	93,59
PVDF	0.22	yellow	100	6.287 342	133,70	93,59
PES	0.22	light green	100	6.287 343	133,70	93,59
Nylon	0.45	blue	100	6.287 344	133,70	93,59
PTFE	0.45	red	100	6.287 345	133,70	93,59
Regen. Cellulose	0.45	black	100	6.287 346	133,70	93,59
PVDF	0.45	orange	100	6.287 347	133,70	93,59
PES	0.45	green	100	6.287 348	133,70	93,59

Qualitative Filters for beer analysis





Suitable for analytical methods in breweries to filter and analyse, based upon recommended procedures of the EBC (European Brewery Convention).

- Medium fast
- Grained surface

Further siz	-30%					
Туре	Diam.	Filtration time acc. to Herzberg	PK	Cat. No.	Price "	Now
	mm	S			EUR	EUR
Folded filter	185	110	100	4.006 207	42,00	29,40
Folded filter	240	110	100	4.006 208	47,60	33,32
Folded filter	320	110	100	4.006 209	54.00	37.80

Funnels, DURAN®



DIN ISO 4798. With short stem. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

							-20%
Diam.	For filter paper	Height	DIN	PK	Cat. No.	Price	Now
mm	diam. mm	mm				EUR	EUR
35	45 - 55	60	4798	1	9.251 123	17,50	14,00
45	55 - 70	80		1	9.251 128	18,10	14,48
55	70 - 90	95	4798	1	9.251 133	25,60	20,48
70	110 - 125	125		1	9.251 138	25,30	20,24
80	125 - 150	140		1	9.251 141	26,80	21,44
100	150 - 185	180	4798	1	9.251 146	29,20	23,36
120	185 - 240	210		1	9.251 023	34,90	27,92
150	240 - 270	265	4798	1	9.251 157	51,00	40,80

Separating funnels, Squibb-pattern, borosilicate glass 3.3



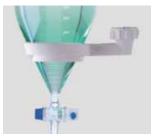


Supplied with a PTFE stopcock. With a PE conical stopper.

- ISO 4800
- NS necks according to DIN 12242 standard

	- 4						-30%
Description	n Capacity	Bore	NS	PK	Cat. No.	Price	Now
	ml	mm				EUR	EUR
Graduated	50	2.5	19/26	1	6.236 317	56,10	39,27
Graduated	100	2.5	19/26	1	6.236 318	57,60	40,32
Graduated	250	4.0	29/32	1	6.236 319	65,10	45,57
Graduated	500	4.0	29/32	1	6.236 320	71,00	49,70
Graduated	1000	6.0	29/32	1	6.236 321	108,90	76,23
Graduated	2000	6.0	29/32	1	6.240 412	153,30	107,31

Stand for separating funnel, PP





200/-

Suitable to hold all types of laboratory funnels and also separatory funnels with diameter from 60 up to 150 mm. Two tapered wedges are provided to ensure firm grip.

				-30%
Description	PK	Cat. No.	Price	Now
			EUR	EUR
Separating funnel holder	1	4.672 109	15,80	11,06

Disposable culture tubes, soda-lime glass, with screw cap





From Soda-lime glass. With DIN thread and PP screw cap

								-30%
Capacity	Outer diam.	Height	Wall thickness	DIN-Thread	PK	Cat. No.	Price	Now
ml	mm	mm	mm	GL			EUR	EUR
6	12	100	1	14	100	7.021 547	56,70	39,69
12	16	100	1	18	100	7.021 548	60,80	42,56
22	16	160	1	18	100	7.021 549	74,70	52,29
32	18	180	1	18	100	7.021 550	87,10	60,97

LLG-Standing flasks with standard ground joint, borosilicate glass 3.3



With a flat bottom and standard ground joint. White graduation and inscription. Acc. to DIN EN ISO 4797.

						-40%
Nominal capacity	Dimensions (dia. x H)	Ground size	PK	Cat. No.	Price	Now
ml	mm	NS			EUR	EUR
50	51 x 85	29/32	2	4.686 119	18,40	11,04
100	64 x 103	14/23	2	4.686 120	19,90	11,94
100	64 x 103	29/32	2	4.686 121	19,90	11,94
250	85 x 130	29/32	2	4.686 122	28,00	16,80
500	105 x 160	29/32	2	4.686 123	37,90	22,74
1000	131 x 187	29/32	1	4.686 124	30,70	18,42
2000	166 x 230	29/32	1	4.686 125	51,10	30,66

Petri dishes, DUROPLAN®, borosilicate glass 3.3





With lid. DURAN®. Made of DURAN® borosilicate glass 3.3. The base and lid are completely flat on both the outside and inside, free of bubbles and cords. The glass is type 1/neutral glass, as specified by USP/EP, and JP. Autoclavable. DIN 13132.

					-30%
Ext. diam.	Height	PK	Cat. No.	Price	Now
mm	mm			EUR	EUR
60	20	1	9.170 141	21,50	15,05
80	20	1	9.170 143	22,10	15,47
100	15	1	9.170 146	23,30	16,31
100	20	1	9.170 148	23,00	16,10
120	20	1	9.170 151	24,80	17,36
150	30	1	9.170 153	37,60	26,32



Sampler Tubes, V4A stainless steel





Sampler for free flowing, bulk goods up to approx. 1cm diameter.

- also for coarse-grained bulk goods - corresponds to ISTA standard for seed lengths of 10 mm and 5 mm

	mm and 5 mm	occa ici	igens		-25%
Diam.	Length	PK	Cat. No.	Price	Now
mm	cm			EUR	EUR
40	40	1	6.200 394	135,90	101,93
40	80	1	6.204 492	177,00	132,75

Chemistry scoop, PP, with rod handle



For aggressive liquids, complete with strong handle made of polypropylene.

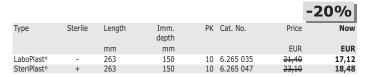
Capacity	Stem diam.	Stem	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
250	20	1000	1	9.303 840	72,10	54,08
600	20	1000	1	9.303 842	74,70	56,03
1000	20	1000	1	9.303 844	76,60	57,45

Disposable spatulas LaboPlast®/SteriPlast®, PS



The sample spatula is ideal for sampling powders, granulates and pastes.

- Individually packed
- Production, assembling and packaging acc. to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines



Disposable samplers for solids, **HDPE**





For contamination-free samples. They are cleanroom-manufactured and individually packed. Gamma-sterilised versions are also available.

For direct removal and filling of free-flowing powders and small-grain granulates.

						-30%
Туре	Description	Length	PK	Cat. No.	Price	Now
		mm			EUR	EUR
DispoLance	sterile	300	20	6.282 459	134,50	94,15
DispoLance	non-sterile	300	20	6.282 458	115,10	80,57
DispoLance	sterile	500	20	6.282 461	158,60	111,02
DispoLance	non-sterile	500	20	6.282 460	138,70	97,09

Sampling Dippers DispoLadle, HDPE



-25%



The scaled scoop with embossing can be used for measuring. It shows contents in increments of 10 ml, up to 200 ml.

- Cleanroom manufacturedIndividually packaged
- Optionally sterilised by gamma rays

						-30%
Description	Capacity	Length	PK	Cat. No.	Price	Now
	ml	mm			EUR	EUR
Standard	200	500	20	6.284 537	114,00	79,80
Sterile	200	500	20	6.284 538	148,60	104,02
Standard	200	1000	20	6.284 539	139,30	97,51
Sterile	200	1000	20	6.284 540	198,00	138,60

LLG-Transport tubes, PP, with screw cap











LLG-Sample containers,

with screw cap, PP

For convenient storage and dispatch of samples. White, with screwed-on lid. For storage or transport of samples.

- Free s	al botto standing	ı								-	20%
	ed gradu					Nominal	Ø with	Height	PK Cat. No.	Price	Now
- 1 1/4	turn th	read design f	for super fast screwing			capacity	Cover				
						ml	mm	mm		EUR	EUR
						30	58	19	10 9.402 310	17,60	14,08
				-2	0%	75	58	47	10 9.402 313	19,40	15,52
					0 /0	310	81	81	10 9.402 318	29,20	23,36
Capacity	Outer	Height	PK Cat. No.	Price	Now	600	119	67	10 9.402 321	4 7,40	37,92
	diam.	with cap				1250	119	130	5 9.402 324	33,60	26,88

- Conical bottom

- 1

						-20%
Capacity	Outer diam.	Height with cap	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
5	16	60	100	6.265 667	16,00	12,80
10	16	80	100	6.265 668	17,50	14,00

Sample bags Whirl-Pak®, PE, sterile



Whirl-Pak® bags are sterile polyethylene laboratory sample bags used to transport samples for biological testing and other applications. Available with or without write-on label. With integrated wire closing system. Temperature range: -210 to 82 °C.

						-45%
Nominal capacity	Dimensions (D x W)	Description	PK	Cat. No.	Price	Now
ml	mm				EUR	EUR
58	75 x 125	with write-on label	500	7.058 005	139,20	76,56
118	75 x 185	with write-on label	500	7.077 212	141,60	77,88
532	115 x 230	with write-on label	500	7.058 120	202,80	111,54
710	150 x 230	with write-on label	500	6.242 083	267,60	147,18
2721	254 x 380	with write-on label	250	6.266 304	394,80	217,14
3637	254 x 508	with write-on label	250	6.266 305	474,00	260,70
5441	380 x 508	with write-on label	100	6.257 989	301,20	165,66
58	75 x 125	with write-on label	500	6.091 055	130,80	71,94
118	75 x 185	without write-on label	500	9.404 234	139,20	76,56
207	95 x 180	without write-on label	500	7.981 345	174,00	95,70
532	115 x 230	without write-on label	500	9.404 235	190,80	104,94
710	150 x 230	without write-on label	500	6.228 639	247,20	135,96
1065	125 x 380	without write-on label	500	9.404 236	303,60	166,98
1242	150 x 380	without write-on label	500	6.266 302	356,40	196,02
2041	190 x 380	without write-on label	500	6.305 117	406,80	223,74

Water sample bottles, PET



With and without sodium thiosulfate





- Sterile
- Leak-proof
- Thick walls
- Crush-resistant corners

					-35%
Nominal capacity	Description	PK	Cat. No.	Price	Now
ml				EUR	EUR
125	without sodium thiosulphate	180	4.712 663	291,10	189,22
250	without sodium thiosulphate	108	4.712 664	217,10	141,12
500	without sodium thiosulphate	84	4.712 665	203,80	132,47
1000	without sodium thiosulphate	30	4.712 666	108,80	70,72
125	without sodium thiosulphate *	130	4.712 667	264,30	171,80
250	without sodium thiosulphate *	72	4.712 668	186,30	121,10
500	without sodium thiosulphate *	42	4.712 669	146,50	95,23
1000	without sodium thiosulphate *	22	4.712 670	111,30	72,35
125	with sodium thiosulphate	180	4.712 671	291,10	189,22
250	with sodium thiosulphate	108	4.712 672	214,60	139,49
500	with sodium thiosulphate	84	4.712 673	201,80	131,17
1000	with sodium thiosulphate	30	4.712 674	108,20	70,33
125	with sodium thiosulphate *	130	4.712 675	255,30	165,95
250	with sodium thiosulphate *	72	4.712 676	173,00	112,45
500	with sodium thiosulphate *	42	4.712 677	128,10	83,27
1000	with sodium thiosulphate *	22	4.712 678	101,20	65,78
* Individua	ally packed				

Melting point apparatus, model MP-200D/MP-200D-HR



Melting point tubes for MP series





- Antimicrobial coating
- Up to 300 °C



				-10%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
Melting point determination tubes (open on both sides)	100	6.236 492	31,10	27,99
Melting point determination tubes (closed at one end)	100	6.803 067	31,30	28,17
Melting point determination tubes (closed at both ends)	100	9.950 400	56,10	50,49

Pycnometers, Borosilicate glass 3.3, calibrated





Supplied with 100 melting point tubes, open one end.

MP-200D // MP-200D-HR **Specification**

Number of samples:

Temperature range: Ambient to 300 °C

±1.0 °C at 20 °C, ±2.5 °C at 300 °C Temperature accuracy: Display: Three digit LED $/\!/$ Four digit LED

Display resolution:

1 °C // 0.1 °C Display hold facility: No // Yes

20 °C per minute to plateau, Ramp rates: 2 °C per minute to melt //

20 °C per minute to plateau, variable between 1 and 10 °C

per minute to melt

Dimensions ($w \times d \times h$):

Net weight:

Electrical supply:

160 x 220 x 170 mm 1.8 kg

230 V, 50 Hz, 75 W



ISO 3507. Individually calibrated to contain (In) to 0.001 ml. Net volume capacity is engraved on the body. Each bottle is calibrated together with its stopper. In order to differentiate easily, both the body and the stopper have the same code numbers printed on them.

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
MP-200D	1	9.950 177	1.098,00	823,50
MP-200D-HR	1	9.830 430	1.812,70	1.359,53

				-30%
Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
5	1	4.008 327	26,00	18,20
10 25	1	6.241 602	26,40	18,48
	1	4.008 328	27,40	19,18
50	1	6.241 603	31,30	21,91
100	1	4.008 329	41,30	28,91

Flame Photometer FF-200D-I and FF-200D-R







Single channel, low temperature flame photometer for use in industry, medicine and education. Can be operated with propane, butane, natural gas or liquid gas (LPG). With built-in electronic flame failure safety system for operational safety.

- Model FF-200D-I incl. Na, K, Ca, Ba and Li filters
- Model FF-200D-R incl. Na, K and Li filters
- 3 year warranty

Supplied with: Na, K, Li filters (model PFP7/C), additionally Ba and Ca filter (model PFP7), connecting hoses and clips, compressor plug, drain trap, fuses and operating/service instructions

Specifications

Range PFP7: 0 ... 199.9 ppm

Range PFP7/C: 120 ... 160 ppm Na, 0 ... 10 ppm K

Limits of detection

 Na/K:
 < 0.2 ppm</td>

 Li:
 < 0.25 ppm</td>

 Ca:
 < 15 ppm</td>

 Ba:
 < 30 ppm</td>

Reproducibility: < 1% (Coefficient of variation for 20

consecutive samples using 10 ppm Na set

to a reading of 50)

Linearity: < 2% (when concentration of 3 ppm Na/K

and 5 ppm Li are set to a reading

of 100)

Specificity: Interference from Na, K and Li equal in

concentration to test element will be

< 0.5%

Recorder output: Nominal 1.00 V for a reading of 100.0

6 l/min at 1 Kg/cm² /14psi

(oil and moisture free pressurised air) Dimensions (W \times D \times H): 420 \times 360 \times 300 mm

/eight: 8 kg

Power supply: 190 ... 250 V, 50/60 Hz

Type PK Cat. No. Price Now FF-200D-I 1 9.309 409 4.758,00 3.568,50 FF-200D-R 1 6.272 846 5.978,00 4.483,50

Laboratory refractometers Abbemat Essential





- Peltier temperature control
- Preset refractive index and Brix scale



The Abbemat Essential line is budget-friendly with the best build quality and temperature control. All three instruments are suitable for liquids, viscous or solid substances, as well as turbid and dark substances. Fast concentration measurements due to a simplified user interface and predefined methods.

- Precise Peltier temperature control
- Up to 10 methods: refractive index and Brix preset, plus 8 optional methods
- Intuitive 7" Hybrid touchscreen
- Sapphire prism backed by a 25-year warranty

						-25%
Туре	Measuring range	Accuracy	PK	Cat. No.	Price	Now
					EUR	EUR
Abbemat 3001	1,33 1,55 nD 0 100 °Brix	±0,0001 nD ±0,05 °Brix	1	4.713 222	4.025,00	3.018,75
Abbemat 3101	1,30 1,66 nD 0 100 °Brix	±0,00004 nD ±0,03 °Brix	1	4.713 223	6.330,00	4.747,50
Abbemat 3201	1,26 1,72 nD 0 100 °Brix	±0,00002 nD ±0,015 °Brix	1	4.713 224	9.200,00	6.900,00

Standards for Flame photometers





Suitable for calibration, control, IQ/OQ and method validation. Compatible with all Flame Photometry Instruments. NIST traceable. HDPE bottles of 500 ml.

					-25%
Туре	Measuring range	PK	Cat. No.	Price	Now
				EUR	EUR
Sodium / Potassium	100 / 100 mmol/L	1	4.012 215	142,90	107,18
Sodium / Potassium	120 / 2 mmol/L	1	4.012 216	142,90	107,18
Sodium / Potassium	140 / 5 mmol/L	1	4.012 217	142,90	107,18
Sodium / Potassium	160 / 8 mmol/L	1	4.012 218	142,90	107,18
Sodium / Potassium	160 / 80 mmol/L	1	4.012 219	142,90	107,18
Rinse solution	-	1	6.286 180	54,80	41,10

BOD sensor system





Measuring systems for the reliable determination of 90 to 999 ppm BOD. Complete with sensor heads and multi-position magnetic stirrer.

- The sensor heads are screwed directly onto the BOD bottles
- Automatic storage of 5 results in 24-hour intervals
- Measured readings in mg/l (ppm) can be read directly on the sensor at any time $\,$
- Protected against splashing water (IP 54)

Scope of supply BOD sensor system 6: 6-position magnetic stirrer, each 6 BOD sensors incl. batteries, 500 ml brown glass bottles, KOH reservoirs and magnetic stirring rods

Scope of supply BOD sensor system 10: 10-position magnetic stirrer, each 10 BOD sensors incl. batteries, 500 ml brown glass bottles, KOH reservoirs and magnetic stirring rods

Specifications

BOD range: 90 ... 999 ppm Display: LED (3 digits) IP code: IP 54

					-20%
Туре	Description	PK	Cat. No.	Price	Now
				EUR	EUR
BOD sensor system 6	6 positions	1	6.317 212	1.605,00	1.284,00
BOD sensor system 10	10 positions	1	6.317 213	2.463,00	1.970,40
BOD sensor set	500 ml brown glass bottle with BOD sensor, KOH reservoir, stirring rod	1	4.666 791	237,00	201,45
BOD sensor	Single sensor	1	4.666 790	229,00	194,65

Dissolved oxygen bottles according to Winkler, soda lime glass



For the determination of dissolved oxygen in water. The measured capacity is specified to ± 0.01 ml. With a white labelling area. Each bottle and its stopper is marked with a unique, matching identification number.

						-35%
Nominal capacity	NS	Snap-on clip	PK	Cat. No.	Price	Now
ml					EUR	EUR
100 to 150	14/23	9.304 050	1	9.304 038	35,20	22,88
250 to 300	19/26	9.304 051	1	9.304 048	43,20	28,08

Clamps for oxygen determination bottles acc. to Winkler





0=0/

Stainless steel, nickel-plated. For securing the NS stopper.

roi secu	ing the NS stopper.				-10%
For bottles	For	PK	Cat. No.	Price	Now
ml				EUR	EUR
100 150	NS 14/23	1	4.684 046	8,00	7,20
250 300	NS 19/26	1	4.684 047	8,80	7,92

HCL-Absorber, for COD determination





The glass filter devices are made of borosilicate glass 3.3 and can withstand acids, alkalis and solvents and even temperatures of up to 540 °C.

	ı			-30%
Ground size	PK	Cat. No.	Price	Now
NS			EUR	EUR
29/32	1	6.225 057	98,80	69,16



For PFAS analysis

LLG-Short thread vials ND9, PP

The LLG-Short thread vials are suitable for PFAS analyses. Free from polyhaloolefins.





					-40%
Capacity	o.d. x Height	PK	Cat. No.	Price	Now
ml	mm			EUR	EUR
0.3	11.6 x 32	100	4.008 262	33,50	20,10
0.7	11.6 x 32	100	4.712 515	32,70	19,62
1.5	11.6 x 32	100	4.712 514	42,50	25,50

b.safe caps, GL45, PP/PPS, PFAS Analytic

b.safe

Screw caps, with freely movable insert made of PP. Free from polyhaloolefins. 3 capillary connections (3.2 mm).

- Insert made of PP
- Fittings made of PE
- Ideal for PFAS analysis

Scope of supply: Cap, 2xfittings (PE), 3xblind fittings (PE), air valve with service life indicator



Capillary connections: 3
Neck thread: GL 45

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
b.safe-Cap	1	4.694 468	114,90	86,18

Air valves, PP, PFAS Analytic

The integrated non-return valve avoids evaporation of solvents and lets flow ambient air into the bottle in case of vacuum.

- Free from polyhaloolefins



b.sofe

					-25%
Thread	Life time	PK	Cat. No.	Price	Now
				EUR	EUR
UNF 1/4" 28G	6 months	2	4.694 467	43,40	32,55

LLG-Short thread seals ND9, PP, ready assembled

The LLG-Short thread seals are suitable for PFAS analyses.

- Cap made of PP
- Septa made of PP, silicone or polyimide
- Free from polyhaloolefins



					-40%
Caps	Septa	PK	Cat. No.	Price	Now
				EUR	EUR
blue, with hole	Silicone white/PP transparent	100	4.712 516	49,00	29,40
blue, with hole	Silicone white/PP transparent, slitted	100	4.712 517	53,20	31,92
transparent, with hole	Silicone white/PP transparent	100	4.712 518	49,00	29,40
transparent, with hole	Silicone white/PP transparent, slitted	100	4.712 519	53,20	31,92
blue, with hole	Silicone white/Polyimide orange	100	4.712 520	57,50	34,50

SPE columns, CHROMABOND PFAS





400/

Special phase for SPE analysis. For enrichment of PFAS from water, textiles and sediments (contaminated soils). Polymeric combination phase with weak anion exchanger, highly porous, spherical particles.

						-30%
Capacity	Filling quantity	Package	PK	Cat. No.	Price	Now
ml	mg				EUR	EUR
3	120	30 Piece	30	4.712 701	181,00	126,70
3	120	250 Piece	250	4.712 702	1.210,00	847,00
6	300	30 Piece	250	4.712 703	1.955,00	1.368,50
6	300	250 Piece	30	6.320 451	280,00	196,00

EC analytical HPLC columns, NUCLEODUR PFAS/PFAS Delay





Hydrophobic reversed phase with distinct polar selectivity for special PFAS analysis. Suitable for high sensitivity LC/MS analysis. NUCLEODUR PFAS Delay columns trap and therefore delay system-related PFAS contaminants, ensuring trace-level analysis of PFAS in your samples. Suitable for high sensitivity LC/MS analysis.

							-30%
Туре	Particle size	Length	Int. diam.	PK	Cat. No.	Price	Now
	μm	mm	mm			EUR	EUR
PFAS	3	100	2	1	4.712 704	835,00	584,50
PFAS Delay	5	50	2	1	4.712 705	600,00	420,00

Universal Ovens UN





Specifications

Type designation:

Working temperature

range:

Setting temperature range: Setting accuracy:

Power supply:

N = Natural convection

at least 5 °C above ambient to +300 °C

+20 to +300 °C

up to 99.9 °C: 0.1 °C/from 100 °C: 0.5 °C

230 V, 50/60 Hz

Туре	Nom. capacity	Max. grids	Included grids	Internal dimensions (W x D x H)	External dimensions (W x D x H)	Rated capacity	Net weight	PK	Cat. No.	Price	Now
	L			mm	mm	kW	kg			EUR	EUR
UN30	32	3	1	400 x 250* x 320	585 x 434** x 704	1.6	45	1	9.869 681	1.282,00	1.025,60
UN55	53	4	1	400 x 330* x 400	585 x 514** x 784	2.0	57	1	9.869 682	1.486,00	1.188,80
UN75	74	6	2	400 x 330* x 560	585 x 514** x 944	2.5	66	1	9.869 683	1.811,00	1.448,80
UN110	108	5	2	560 x 400* x 480	745 x 584** x 864	2.8	74	1	9.869 684	2.103,00	1.682,40

^{*} Less 39 mm for fan

Cooled incubators FOC series

Versatile cooled incubators with an auto-tuning temperature control system for optimal temperature stability.

- 2 internal sockets for further devices
- Wireless (WIFI) and wired connectivity
- Front 3 button panel (Set, "+", "-")
- Forced ventilation for uniform temperature distribution

Model FOC 200E: With internal transparent door

Scope of supply: Cooled incubator, shelves





-20%

Specifications

Temperature range: $3 \dots 50 \text{ °C}$ Temperature accuracy: $\pm 0.5 \text{ °C}$ Display: 3-digit LCDInterface: Wi-Fi, 2 x RS485 Power supply: 230 V, 50/60 Hz

					_	_	20%
Туре	Nom. capacity	Included grids	External dimensions (W x D x H)	PK	Cat. No.	Price	Now
	L		mm			EUR	EUR
FOC 120E	109	2	540 x 550 x 912	1	6.316 555	1.817,00	1.453,60
FOC 200E	169	3	540 x 550 x 1263	1	6.316 556	2.073,00	1.658,40

Metal-cased heating mantles series KM-ME, with controller

ISOHEAT®

LabHEAT* - Heating mantles for flasks, round bottom. Flexible glass yarn heating element in plastic plastic-coated, chemical-resistant metal housing. Max. heating element temperature 450 °C; 1.5 m power supply (earthed) cable and RCD (residual current detection); nominal voltage 230 V AC.



						-2	25%
Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.	Price	Now
ml	mm	W				EUR	EUR
100	64	100	1	1	9.642 521	330,00	247,50
250	85	150	2	1	9.642 522	335,00	251,25
500	105	200	2	1	9.642 523	348,00	261,00
1000	131	300	2	1	9.642 524	369,00	276,75
2000	166	500	2	1	9.642 525	420,00	315,00
3000	185	600	2	1	9.642 526	458,00	343,50
4000	207	750	2	1	9.642 527	581,00	435,75
5000	223	860	2	1	9.642 528	633,00	474,75
6000	236	1000	2	1	9.642 529	715,00	536,25
10000	279	1400	2	1	9.642 530	958,00	718,50
20000	345	2000	2	1	9.642 531	1.320,00	990,00

^{**}Depth without door handle, please add 56 mm

Recirculating cooler VALEGRO



- Julaba
- Natural refrigerant
- Illuminated filling level indicator
- OLED touch display





The modern, user-friendly recirculating cooler is characterised by its compact design and precise temperature control:

- Natural refrigerant R290
- OLED touch display
- Continuously adjustable pump
- Timer
- Illuminated, easy-to-clean level indicator
- With casters
- Bath volume 1.5 to 3 liters
- Temperature: -20 ... 40 °C - Temperature stability: ±0.3 °C
- Power supply: 200 ... 230 V, 50/60 Hz
- Weight: 26 kg
- Version with Ethernet interface available as an option

Type Flow PK Cat. No. Price Now rate | I / min. EUR EUR VALEGRO 350 16 1 6.522 810 3.450,00 3.374,50 VALEGRO 500 19 1 6.522 811 3.970,00 3.374,50

High-performance freezers TSX Series, up to -35 °C



thermo scientific

- Low noise level
- Natural refrigerant
- Audible and visual alarm



- With auto defrost

- Whisper-quiet with a noise level of just 52 dB(A)
- Natural refrigerant (R290)
- Acoustic and visual alarm
 Self-closing door with 90° hinge

Specifications

Temperature range: -35 ... -15 °C Power supply: 230 V, 50 Hz

						-25%
Туре	Capacity	External dimensions (W x D x H)	PK	Cat. No.	Price	Now
	1	mm			EUR	EUR
TSX 1230 FV	326	619 x 790 x 1854	1	4.671 810	6.650,00	4.987,50
TSX 2330 FV	650	711 x 962 x 1994	1	4.672 628	8.120,00	6.090,00
TSY 3030 FV	827	864 y 962 y 1994	1	6 312 076	8 840 00	6.630.00

Deep freeze labels Cryo-Babies®/Cryo-Tags®



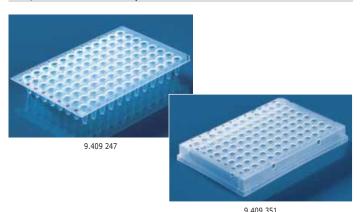
Temperature resistant from -196 °C to 150 °C. All labels withstand freezer temperatures down to -196 °C (liquid and vapour phase nitrogen), boiling water baths, autoclaving and moderate ovens (150 °C). Resist most organic solvents and caustic agents.

						30 70
Туре	Dimensions (W x D)	For vessels	PK	Cat. No.	Price	Now
	mm				EUR	EUR
Cryo-Babies®	24 x 13	0.5ml tubes	1000	9.100 030	72,90	51,03
Cryo-Babies®	33 x 13	1.5/2.0ml tubes	1000	9.100 031	72,90	51,03
Cryo-Tags®	38 x 13	General application	1000	9.100 032	72,90	51,03

-30%



96 well PCR-Plates, PP, for PCR or qPCR



The ultra-thin-walled PCR plate design facilitates constant, rapid and precise heat transfer. With blue alphanumeric code and cut corner for easy orientation, or as indicated.

96-well, non-skirted

PP. 0.2 ml wells. 96-well non-skirted PCR plates are suitable for most commercially available thermocyclers.

96-well, semi-skirted

 $\mbox{PP.}\ 0.2$ ml wells. 96-well semi-skirted PCR plates can easily be labelled or tagged with a barcode.

96-well, skirted

PP. 0.2 ml wells. 96-well skirted PCR plates are especially rigid and are optimally suited for use with automatic pipetting systems and for being transported.

						-30%
Description	Volume	Cut corner	PK	Cat. No.	Price	Now
	ml				EUR	EUR
Low Profile, non-skirted	0.15	H12	50	9.409 247	184,20	128,94
Low Profile, semi skirted	0.15	A12	50	9.409 256	184,20	128,94
Low Profile, fully skirted*	0.15	H1	50	9.409 351	311,90	218,33
Standard profile, non-skirted	0.20	A12	50	9.409 254	184,20	128,94
Standard profile, semi skirted	0.20	A12	50	9.409 264	184,20	128,94
Standard profile, non-skirted, elevated rim	0.20	H12	50	9.409 381	195,50	136,85
*81 1 11						

^{*}Black alphanumeric code, no additional markings on the cut corner.

Single PCR tubes with attached caps, PP





0.2 ml and 0.5 ml PCR tubes with attached caps are compatible with leading thermocyclers with heated lids.

	U					-30%
Capacity	Description	Colour	PK	Cat. No.	Price	Now
ml					EUR	EUR
0.2	domed cap	clear	1000	9.409 370	73,00	51,10
0.2	flat cap	clear	1000	9.409 371	60,10	42,07
0.5	flat cap	clear	1000	9.409 372	55,10	38,57

Sealing Films, Self-adhesive, Polyester

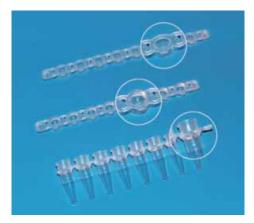


In case the microplates, PCR-plates, and deep well plates need to be not only covered but also securely sealed, self-adhesive sealing films are the ideal solution.

					-30%
Description	Application	PK	Cat. No.	Price	Now
				EUR	EUR
single film	ELISA, PCR	100	9.409 386	132,30	92,61
single film, highly transparent	ELISA, Real Time PCR	100	4.000 237	191,60	134,12

Strips of 8-/12- PCR tubes plus detached cap strips, PP





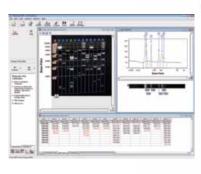
The lids of the 8-strip strips can be opened and closed easily without tools. The vessels have a retaining tab at one end, and the lid strips have a small tab on the side of each lid for careful, contamination-free opening. Made of high-quality polypropylene, RNase-, DNase-, and DNA-free.

						-30%
Capacity	Description	Colour	PK	Cat. No.	Price	Now
ml					EUR	EUR
0.2	Strips of 8 PCR tubes, without caps	clear	125	9.409 374	96,60	67,62
0.2	Strips of 8 PCR tubes, with separate flat caps	clear	250	4.007 894	246,30	172,41
0.2	Strips of 8 PCR tubes, with separate domed caps	clear	250	4.007 895	231,30	161,91

Gel documentation system microDOC with UV-Transilluminator



- Powerful camera
- Compact device





Cleaver

Recently upgraded with a new 24.1 megapixel digital CMOS camera to guarantee superb resolution, the microDOC is the researcher's choice for a simple, ultra-compact gel documentation system that meets constraints in both budget and space within the laboratory. A large 8" TFT screen enables images, including agarose and fluorescent gels, colorimetric gels, autoradiography film and blotting membrane, to be captured clearly and easily. The system is computer-free and supplied with an 8 GB storage card and 58 mm ethidium bromide filter as standard. Files are saved onto the storage card in RAW, TIFF-RGB and JPEG formats.

microDOC BASIC: The microDOC BASIC is a simple, low-cost system comprising a lift-off dark room hood and 24.1 megapixel digital camera, through which the gel is viewed directly.

TotalLab™ 1D software: Its main functions include: lane creation, background subtraction, band detection, profile deconvolution, and molecular size, pI and quantity calibration. More sophisticated standalone software options are available for 1D applications that require band matching, array, colony counting and image ToolBox functionalities.

Camera:

- File Format Design rule for Camera File system, DPOF (version 1.1) compliant
- Focus-Area Selection AF mode and manual focus are available
- Hood

Monitor:

Safety Door Switch Automatically disconnects UV transilluminator, while opening the chamber door during operation

Specifications Camera

Compact Gel documentation system³

incl.Analysis Software TotalLab1D.

Effective Pixels: 24.1 megapixels

TTL-CT-SIR with CMOS sensor Type: Canon EF/EF-S 18-55 mm Lens:

Maximum Aperture: f/2.8 - f/5.6

Image Resolution: $720 \times 480 \text{ up to } 5.184 \times 3.456$ Data Type Still images: Exif 2.3 (JPEG), RAW (CR2) Movies: MOV (Image data: H264; Audio data: Linear PCM (stereo)) Filter:

Ethidium Bromide or SYBR Green (58 mm) Inner White Light:

2 x 3 W white light LED (excl. MDOC Basic Models) 8" TFT liquid crystal screen

Display Format: 960 x 234 mm Luminance: 300 cd/m²

NTSC/PAL mode switchable Display Mode:

Dimensions with camera 290 x 325 x 515 mm $(W \times D \times H)$:

Rated Voltages: 110 - 220 V 35% Weight approx.: 7.7 kg Description PK Cat. No. Price **EUR**

1 9.584 759

3.572,92

LLG-Agarose Standard





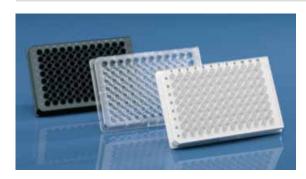
High transparency and low background of the agarose gel ensure clear and sharply defined bands.

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

Sulphate.	30.1370			-40%
Capacity	PK	Cat. No.	Price	Now
g			EUR	EUR
100	1	4.681 511	81,40	48,84
500	1	4.681 512	305,60	183,36

Microtitre plate BRANDplates[®], 96-well, pureGrade™, Medium Binding





Non-treated surface. The standard plate for most applications. Particularly applicable for homogenous assays, screening, and in the field of storage.

- Non-sterile
- Grey or embossed alphanumeric coding
- ANSI/SLAS format

The scope of supply includes 1 lid per pack.

					-30%
Description	Bottom shape/ Well volume µl	PK	Cat. No.	Price	Now
				EUR	EUR
96-well, transparent	U / 330	100	4.000 238	104,50	73,15
96-well, transparent	V / 360	100	6.233 851	104,50	73,15
96-well, transparent	F / 350	100	6.231 785	104,50	73,15
96-well, transparent	C / 350	100	4.000 239	104,50	73,15
96-well, white	U / 330	100	4.000 240	280,10	196,07
96-well, white	F / 350	100	6.233 548	280,10	196,07
96-well, black	U / 330	100	4.000 241	280,10	196,07
96-well, black	F / 350	100	6.233 756	280,10	196,07

200/

Repetitive pipette HandyStep® touch/HandyStep® touch S



- Intuitive Operation
- Ergonomic
- Automatic Tip Ejection





Repetitive pipette with colour touch display and automatic tip size recognition.

The automatic tip size recognition of the PD-Tips II, with patented coding on the piston, automatically displays the tip size after inserting the tip. By inserting a new PD-tip of the same size, all instrument settings are maintained.

HandyStep® touch with the standard modes Multi-Dispensing, Auto-Dispensing, Pipetting and Favorites HandyStep® touch S with the additional functions Sequential Dispensing, Multi-Aspiration and Titration

- Touchscreen operation with intuitive menu navigation and integrated help function
- Automatic tip ejection by the press of a button
- Variable volume adjustment from 1.0 µl to 50 ml
- USB-C connection for quick charging by cable
- Inductive charging with optional charging stand
- Compatible third party tips can also be used

Scope of supply: Repetitive pipette, includes universal AC adapter (for Europe, UK, USA, Japan, Australia and New Zealand), Li-Ion battery, USB-Type C cable, shelf/rack mount, sample PD-Tips II, operating manual, performance certificate

					-25%
Туре	Colour	PK	Cat. No.	Price	Now
				EUR	EUR
HandyStep® touch	White	1	9.284 015	834,50	625,88
HandyStep® touch S	Black	1	9.284 016	1.048,00	786,00

Pasteur pipettes, PE





Disposable pipettes with fine tips for precise dispensing. Length: 150 mm

- Graduated				-50%
Nominal capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
1	500	6.206 154	40,20	20,10
3	500	6.206 772	40,20	20,10

Dispenser tips, PD-Tips II





The tips are also compatible with all other instruments of the HandyStep® family and with repetitive pipettes from other manufacturers

- Cylinder: PP/piston: HDPE, 0.1 ml piston: LCP
- Volumes from 0.1 ml to 50 ml
- Comply with the requirements of ISO 8655
- Supplied with batch certificate
- Adapter for sizes 25 ml and 50 ml included
- PD-Tips II cannot be autoclaved; the adapters are autoclavable

	itoclavable	be autoclaved, the	aua	Jiei S	-2	25%
Nominal capacity ml	Description	Sterile	PK	Cat. No.	Price EUR	Now EUR
0.10	bulk	_	100	9.280 950	89,20	66,90
0.50	bulk	-	100	9.280 951	79,90	59,93
1.00	bulk	-	100	9.280 952	79,90	59,93
1.25	bulk	-	100	9.280 953	79,90	59,93
2.50	bulk	-	100	9.280 954	79,90	59,93
5.00	bulk	-	100	9.280 955	79,90	59,93
10.00	bulk	-	100	9.280 956	79,90	59,93
12.50	bulk	-	100	9.280 957	79,90	59,93
25.00	bulk	-	50	9.280 958	45,00	33,75
50.00	bulk	-	25	9.280 959	24,30	18,23

Automatic Burettes, Schilling pattern, borosilicate glass 3.3/ PE





-25%

- Precise dosing using the press
- Exact fine titration with the micro-screw
- With Schellbach stripe
- Resistant to chemicals
- Further parts in contact with the medium: PP, natural rubber
- Graduation according to Category B (Tolerances according to DIN EN ISO 385)
- Blue ring graduations

							-23 70
Capacity	Grad.	Tolerance	Height	PK	Cat. No.	Price	Now
ml	ml	± ml	mm			EUR	EUR
5	0.05	0.030	610	1	7.300 482	61,90	46,43
10	0.05	0.045	560	1	6.070 383	61,90	46,43
15	0.1	0.045	520	1	6.070 634	61,90	46,43
25	0.1	0.075	650	1	7.200 163	61,90	46,43
50	0.1	0.075	920	1	6.059 942	72,10	54,08



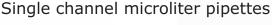
Microliter pipettes LLG-proMLP

All LLG-proMLP pipettes are equipped with an adjustable eject button allowing right and left handed users to set the button*according to their preferences.

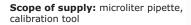


- High quality Made in France
- High accuracy, reliability and reproducibility
- Extremely light weight while the robustness still remains
- Perfect ergonomics for highest comfort
- Colour-coded push-button for quick operation
- Extremely low pipetting forces
- Built-in volume locking for error-free results
- Completely autoclavable at 121 °C
- Including individual calibration certificate (according to EN ISO 8655)

^{*}not available for 5 ml and 10 ml pipette









Capacity	Increments	Accuracy max. vol.	PK	Cat. No.	Price	Now
μΙ	μl	(± R%)			EUR	EUR
0.2-2	0.002	1.65	1	6.270 420	222,10	144,37
0.5-10	0.02	1.10	1	6.270 421	222,10	144,37
2-20	0.02	1.00	1	6.270 422	222,10	144,37
10-100	0.2	0.80	1	6.270 423	222,10	144,37
20-200	0.2	0.80	1	6.270 424	222,10	144,37
100-1000	2	0.80	1	6.270 425	222,10	144,37
500-5000	2	0.66	1	6.270 426	222,10	144,37
1000-10000	20	0.60	1	6.270 427	222.10	144.37

New

Multichannel microliter pipettes



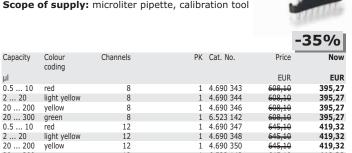
20 ... 300 green

- Made in the EU
- Adjustable tip ejector button
- Integrated volume lock

The new LLG-proMLP multichannel microliter pipettes combine high accuracy and reliability with ergonomic and extremely low force pipetting, relieving stress from your hand and thumb. Available volume ranges from 0.5 µl to

Scope of supply: microliter pipette, calibration tool

12



1 6.523 143

LLG-Pipette stands for single channel microliter pipettes, PMMA



White, stable plastic (PMMA), industrial grade. Adjustable heights. Suitable for all kinds of pipettes.

				-35%
Description	PK	Cat. No.	Price	Now
			EUR	EUR
for 4 pipettes	1	9.280 014	54,90	35,69
for 6 pipettes	1	9.280 011	59,90	38,94

LLG-Labware pipette tips, economy 2.0, PP





- Improved optical clarity and pipette fit
- Colored coded rack inserts for easy identification
- Graduated (5 and 10 ml tips without graduation, 6.326 975 with graduation)
- Autoclavable
- DNase and RNase free

						-35%
Capacity	Colour	Package contents	PK	Cat. No.	Price	Now
μΙ					EUR	EUR
0.1 10	transparent	10 x 96 tips in rack	960	4.668 776	59,10	38,42
0.1 10	transparent	10 x 96 tips in rack	960	6.491 406	59,10	38,42
1 200	transparent	10 x 96 tips in rack	960	4.668 778	59,30	38,55
1 200	yellow	10 x 96 tips in rack	960	4.668 779	59,30	38,55
100 1000	transparent	8 x 96 tips in rack	768	4.668 782	43,70	28,41
100 1000	blue	8 x 96 tips in rack	768	4.668 783	43,70	28,41
100 5000	clear	1 bag of 250	250	9.409 097	30,50	19,83
100 5000	clear	1 bag of 250	250	6.326 975	30,50	19,83
1000 10000	clear	1 bag of 100	100	9.409 098	26,90	17,49

419,32

LLG-Measuring jugs with handle, PP







 $\mbox{{\it Made}}$ of highly transparent Polypropylen. With easy-to-read blue graduation.

- Autoclavable at 121 °C
- Open handle
- Stackable
- According to ISO 7056

Nominal capacity	Grad.	Ext. diam.	Height	PK	Cat. No.	Price
ml	ml	mm	mm			EUR
250	5	75	115	2	9.013 680	5,92
500	10	100	137	2	9.013 681	6,22
1000	10	125	167	2	9.013 682	9,08
2000	20	148	217	1	9.013 683	8,47
3000	25	170	244	1	9.013 684	11,84

LLG-Griffin beakers, PP







Transparent. Low form with practical spout and easy-to-read blue graduation.

- Autoclavable at 121 °C
- Good chemical resistance
- Stackable
- According to ISO 7056

Nominal capacity	Grad.	Diam.	Height	PK	Cat. No.	Price
ml	ml	mm	mm			EUR
100	10	50	70	2	9.013 672	3,47
250	25	67	93	2	9.013 673	4,69
500	50	88	119	2	9.013 674	6,43
1000	50	109	147	2	9.013 675	9,69
2000	100	133	184	1	9.013 676	8,78

Aspirator bottles, series 350, HDPE



Food-grade product according to Regulation (EC) No 10/2011. Natural with printed blue graduations (in L) and a screwed closure. With or without a threaded connection at the base.

							-45%
Capacity	Ext. diam.	Height	Handle	PK	Cat. No.	Price	Now
Litres	mm	mm				EUR	EUR
5	167	330	1	1	9.011 009	39,90	21,95
10	206	427	1	1	9.011 010	48,50	26,68
25	278	580	2	1	9.011 025	98,00	53,90
Height in mm	n without cap.						

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.

						- 6	25%
Nominal capacity	Ext. diam.	Neck i. d.	Height	PK	Cat. No.	Price	Now
ml	mm	mm	mm			EUR	EUR
70	50	36	60	10	4.672 397	21,50	16,13
120	56	36	71	10	4.672 394	23,50	17,63
250	69	50	94	10	4.672 395	24,00	18,00
500	86	70	107	10	4.672 396	29,50	22,13
1000	111	85	128	10	4.672 393	41,00	30,75
1500	111	87	182	10	9.073 444	38,00	28,50
2000	111	87	235	10	9.073 446	43,00	32,25

Vial disposer Arnold/Marco, PP



For the safe and quick disposal of HPLC vials. Thanks to the safety funnel with an extra-large neck diameter, your vials fall easily through the opening without jamming or clogging the opening. The hinged lid safely holds back solvent vapors and other contaminants.

- For the disposal of large quantities of sample vials
- Connection for optional activated carbon filter available
- Low overall height, also suitable for safety storage cabinets (Marco)

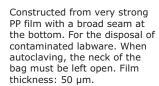
Scope of supply: 10 I canister, safety funnel

						-20%
Туре	Dimensions (W x D x H)	Funnel diam.	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Arnold	195 x 195 x 380	185	1	6.328 027	269,00	215,20
Marco	195 x 195 x 380	140	1	6.328 028	214,00	171,20

LLG-Autoclavable bags, PP







200/

			-				
							-45%
Capacity	Width	Length	Package contents	PK	Cat. No.	Price	Now
L	mm	mm				EUR	EUR
1.5	200	300	Dispenser bos of 100 bags	x 100	9.404 099	25,30	13,92
6.0	300	500	Box of 500 bags	500	9.404 220	110,60	60,83
22.0	400	780	Box of 250 bags	250	9.404 221	109,40	60,17
25.0	500	780	Box of 250 bags	250	9.404 222	131,90	72,55
32.0	600	800	Box of 250 bags	250	9.404 223	147,90	81,35
32.0	600	780	Box of 100 bags	100	9.404 103	62,70	34,49
72.0	700	1100	Box of 250 bags	250	9.404 224	261,00	143,55
72.0	700	1100	Box of 75 bags	75	9.404 105	81,10	44,61

Needles and waste containers Medibox®











6.321 709

6.321 708

- Break-resistant, puncture-resistant and stable when used as intended in accordance with the specifications of DIN EN ISO 23907 - Can be temporarily closed with one hand

- Can be permanently sealed Marking of maximum fill level on the lid or directly on the box
- Autoclavable at 134° for up to 18 minutes (does not apply to the Medibox® 0.8 litre)
- Certified according to: DIN EN ISO 23907; Directive 2008/68/EC and ADR-UN approval: UN 3291
- Meets the requirements for waste containers according to TRBA 250

					-	40%
Volume	Filling volume	Dimensions (W x D x H)	PK	Cat. No.	Price	Now
litres	L	mm			EUR	EUR
0.8	0.67	98 x 98 x 180	9	6.321 710	58,50	35,10
2.4	2.0	151 x 151 x 200	9	6.321 707	54,00	32,40
4.7	3.9	190 x 190 x 200	5	6.321 708	42,75	25,65
5.7	4.8	190 x 190 x 257	5	6.321 709	51,00	30,60

LLG-Absorbent, oil and chemical binder, granules





Universal chemical and oil binder for all liquids, also for solvents. Very high absorption capacity (up to 1:75 of aqueous solutions). Almost dust-free granules with colour indicator: colour changes to yellow in contact with acids, to red in contact with alkalis. Disposal according to the pollutant recorded.

					-10%
Capacity	Package	PK	Cat. No.	Price	Now
kg				EUR	EUR
1.5	Square handle bottle	1	6.283 037	51,30	46,17
5.0	Bucket	1	6.270 479	151,20	136,08

LLG-Safety Eyeshields lady



- CE approved to EN 166 and EN 170
- Panoramic wrapping lens
- 180° visual field
- Nosepad and terminal tips made from soft, moldable material for optimal comfort and individual customisation
- 100% UV protection (up to 400 nm)
- Weight only 25 g

					-10%
Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
white/green	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 007	12,30	11,07
white/pink	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 008	12,30	11,07
black/green	clear, AF, AS, 2C-1.2 U 1 FT CE	1	9.006 009	10,60	9,54

Disposable Gloves Kimtech™ Purple Nitrile™ EN ISO 374-1 EN ISO 374-5 EN 420





KIMTECH

100 豆

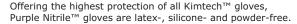






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Ansell



- Contains no natural rubber latex
- Textured fingertip, enhances wet and dry grip
- Virus Protection
- **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.

					-20%
Size	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
XS (5 to 6)	240	100	9.005 420	23,40	18,72
S (6 to 7)	240	100	9.005 421	23,40	18,72
M (7 to 8)	240	100	9.005 422	23,40	18,72
L (8 to 9)	250	100	9.005 423	23,40	18,72
XL (9 to 10)	250	90	9.005 424	23,40	18,72

Hand-Held Drench Hoses



Two sprays in one. The hose can be used as a fixed eyewash when fitted into the mount. The hose can also be removed from the mount so that other body parts and reclining patients can be treated.

- Wall-/ table mount included
- according to DIN 1988 und DIN EN 1717
- according to DIN EN 15154-2:2006 and ANSI Z358.1-2014
- DIN-DVGW tested and certificated
- DIN certification label included

Spray height: 250mm Hose length: 1500mm Connection: 1/2" swivel nut

Water output: 7 litres/min per spray head, regulated

Inlet fitting: M 28 x 80 mm

					-35%
Description	Connection	PK	Cat. No.	Price	Now
				EUR	EUR
1 spray head, 45° angle	½"female	1	9.733 778	280,00	182,00
2 spray heads, 45° angle	½"female	1	9.733 779	309,00	200,85
1 spray head, vertical	1/2"female	1	9.733 786	232,00	150,80

Thermal protection gloves TempTec 332, neoprene

EN 388 EN ISO 374-1 EN 407

Type A









EN 511





- Thermal insulation due to double-knit cotton
- Good grip due to pebbled palms
- Chemical resistance to acids and aliphatic solvents
- 1 pair per pack

Length: 355 mm Colour: black/blue

CE:	Cat. III		-20%
Size	PK	Cat. No. P	rice Now
		E	EUR EUR
8	1	6.269 287 51	,30 41,04
9	1	6.281 320 51	,30 41,04
10	1	6.316 498 51	,30 41,04

250/

Reitenspieß

Precision wipes, KIMTECH SCIENCE, 1-ply



Exceptional Workplaces



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. Anti-static.

					-10%
Dimensions	Package contents	PK	Cat. No.	Price	Now
mm				EUR	EUR
304 x 304	Box of 196 wipes	1	9.413 020	29,50	26,55
115 x 215	Box of 280 wipes	1	9.413 021	10,35	9,32

Wipes, WypAll*L20/L30







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

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

							-20%
Туре	Width	Package contents	Colour	PK	Cat. No.	Price	Now
	mm					EUR	EUR
L20	330	1 roll x 500 wipes	blue	1	9.413 044	27,90	22,32
L20	185	6 rolls x 300 wipes	white	6	9.413 091	109,10	87,28
L30	370	1 roll x 670 wipes	blue	1	9.413 046	77,50	62,00

LLG-Hand towels, 3-ply



Bright white, extra absorbent, completely unfolding, matching most dispenser systems, economical use due to high absorbency and comfortable size. Suitable for LLG-Dispenser for hand towels, Cat. No. 7.618 375.

				-2	25%
Width	Length	Package contents	PK Cat. No.	Price	Now
mm	mm			EUR	EUR
220	420	20 Packs with 100 tissues	20 6.266 568	94,00	70,50

Brushes, Set



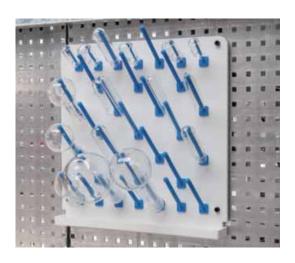
Set consisting of:

Pipette brush Ø 5 mm, L 500 mm (9.019 010)
Reagent bottle brush with wool tip Ø 10 mm, L 190 mm (9.019 020)
Reagent bottle brush with wool tip Ø 30 mm, L 270 mm (9.019 040)
Reagent bottle brush with head bundle Ø 10 mm, L 250 (9.019 030)
Bottle brush with head bundle Ø 50 mm, L 330 mm (9.019 050)
Bottle brush with head bundle Ø 60 mm, L 470 mm (9.019 060)
Beaker brush Ø 85 mm, L 390 mm (9.019 070)
Beaker brush Ø 85 mm, L 430 mm (9.019 080)
Beaker brush Ø 100 mm, L 430 mm (9.019 090)
Beaker brush Ø 100 mm, L 630 mm (9.019 092)

		-30%
Туре	PK Cat. No. Price	Now
	EUR	EUR
Set	1 9.019 002 115,00	80,50

Draining rack LaboPlast®, PVC





The stable rods are individually placed into the holes of the draining rack and are clicked into place. Their positions can be changed at any time.

Scope of supply draining rack with drain channel: Draining rack incl. wall mounting set (screws, dowels), removable drain channel incl. drainage connection and drain tube

						-25%
Width	Height	Pk	(Cat. No.	Price	Now
mm	mm				EUR	EUR
400	400	1	1	9.003 374	225,50	169,13
500	500	1	1	9.003 375	268,90	201,68
600	600	1	1	9.003 376	307,20	230,40

LLG-Trolleys, Stainless Steel



Made of CNS 18/10, material no. 1.4301. All shelves are produced with an all-around raised profile edge. This prevents anything from slipping over the edge. The load capacity per shelf is 80 kg. Wall bumpers made of plastic (polyamide) on all four corners protect against damage.

							-20%
Description	Width	Depth	Height	PK	Cat. No.	Price	Now
	mm	mm	mm			EUR	EUR
2 shelves, vertical spacing 585mm	900	600	950	1	9.148 101	339,00	271,20

Wiper Bowl® Polytex®

The cleaning cloths are packed in the practical Wiper Bowl® dispenser bucket. This means that the moist cleaning substances remain effective for a particularly long time and the wipes do not dry out.

- consisting of 100% extremely robust and low-lint polypropylene
- for removing oils, grease, adhesives, paints etc, adhesives, colours etc. and stubborn soiling

Attention:

Minimum order quantity = 6 buckets!



				-10%
Description	PK	Cat. No.	Price	Now
			EUR	EUR
1 bucket with 72 tissues at 25 x 25 cm	1	7.673 365	16,50	14,85

Spirit burner, 18/10 steel



With a wick height adjuster and a sealing cap. Capacity approx. 60ml.

				-10-20
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
Spirit burner	1	9.018 560	24,50	22,05

LLG-Laboratory Power Failure Detector

- Immediate visual and acoustic alarm
- Alarm can sound for short power outages, or for larger periods of at least 12 hours (can be switched off manually).
- Plug safety cover offers protection against accidental disconnection of plug
- Maximum total power of connected devices 3500 W power supply 230 V 50 Hz
- Suitable for European plugs
- Max. Rating 16 A
- With built-in battery

Scope of supply:

1 x power failure detector

2 x plug safety caps

2 x screws



-100/

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Laboratory Power Failure Detector	1	6.255 819	70,40	52,80

Safety Bunsen Burner, schuett phoenix II



Ideal for safety cabinets

schuett-**biotec**.de





For sterilising, heating, flame sterilising. For use in every microbiological laboratory or in safety cabinets.

schuett phoenix II eco: (with LED control lamp and foot-switch), Start flame by foot-switch or button (On/Off). Best suited for use in microbiological safety cabinets. Best price-to-performance ratio. **schuett phoenix II standard**: (brilliant colour display, selection of native language, sensor and foot-switch) Start/Stop flame by activating sensor 1x or 2x, use foot switch or press button by hand. Continuous display of timer.

schuett phoenix II accu: (brilliant colour display, selection of native language, sensor and built-in extra heavy duty power cells) Start/stop flame by activating sensor 1x or 2x, use foot-switch or press button by hand. Continuous display of timer and battery power. Operates for up to 30 hours, intermittent use. Complete with battery charger for 3-hour recharging. Ideal for mobile usage.

Power supply: 100 - 240 V, 50/60 Hz

				-20%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
schuett phoenix II eco*	1	9.018 760	574,60	459,68
schuett phoenix II standard*	1	9.018 761	727,40	581,92
schuett phoenix II accu *incl. foot switch, stainless steel	1	9.018 762	821,40	657,12

Inoculation loops and loop stands

schuett-biotec.de





Inoculation loops made from stainless steel, special stainless steel wire or platinum-iridium wire (90/10). It can be heated to red heat. Length: 60 mm. Wire diameter: 0.5 mm.

Inoculation loop stand robust and sturdy made of plastic (autoclavable). Accommodates up to 6 inoculation loop holders at any one time.

at any one time.					-1	5%
Туре	Description	Loop diam.	PK	Cat. No.	Price	Now
		mm			EUR	EUR
P-I 1	Platinum-iridium	1	1	9.520 180	62,30	52,96
P-I 2	Platinum-iridium	2	1	9.520 181	62,30	52,96
P-I 3	Platinum-iridium	3	1	9.520 182	62,30	52,96
P-I 5	Platinum-iridium	5	1	9.520 184	62,30	52,96
W-1.5	Stainless steel	1.5	10	9.520 185	37,30	31,71
W-2.5	Stainless steel	2.5	10	9.520 186	37,30	31,71
W-4.0	Stainless steel	4.0	10	6.233 696	35,30	30,01
Inoculation loop stand R (round)	(Diam. x H) 80 x 50 mm		1	9.520 190	82,30	69,96
Inoculation loop stand L (long)	(L x W x H) 180 x 50 x 50 mm		1	9.520 191	88,20	74,97

Petri dish turntables, schuett petriturn

schuett-biotec.de



9.520 201



9.520 200

For uniform inoculation of petri dishes. Easy-to-use. Made in Germany.

schuett petriturn-M

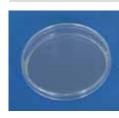
With manually operated. Petri dish (90 mm or 150 mm diameter).

schuett petriturn-E

Electrically driven (100 - 240 V, 50/60 Hz). Easy operation of the rotary table, contact-free start via IR sensor (adjustable rotation time from 3 to 120 sec.), in continuous operation or optionally in foot switch mode. Infinitely adjustable speed from 10 to 120 rpm. For Petri dishes up to Ø 100 mm (Ø 150 mm optional). Compact housing made of stainless steel.

					-20%
Туре	Dimensions	PK	Cat. No.	Price	Now
	mm			EUR	EUR
schuett petriturn-M, manually driven	(Dia. x H) 160 x 45	1	9.520 201	258,50	206,80
schuett petriturn-E, electrically driven	(Dia. x H) 160 x 70	1	9.520 200	562,90	450,32
Foot pedal for schuett petriturn-E		1	9.520 203	99,90	79,92
Turntable adapter for Petri dishes up to 150mm diameter		1	9.520 204	81,10	64,88

LLG-Petri dishes, PS







Made in the EU

Produced under aseptic conditions in an ISO 6 cleanroom. Contact plate with counting grid.

- Stable thickness to prevent any deformations while using
- Stackable
- With or without vents
- Aseptic (90 mm diam.) or beta irradiated sterile versions (all sizes)
- Packed in sleeves á 10 dishes or 20 dishes (90 mm diam. dishes)

						-40%
Ext. diam.	Description	Height approx.	PK	Cat. No.	Price	Now
mm		mm			EUR	EUR
60	with triple vents, aseptic	14	1080	6.323 696	182,50	109,50
60	without vents, aseptic	14	1080	6.323 697	182,50	109,50
90	with triple vents, aseptic	16	480	6.285 823	84,80	50,88
90	without vents, aseptic	16	480	6.285 824	84,80	50,88
60	with triple vents, sterile	14	1080	4.678 371	154,80	92,88
60	without vents, sterile	14	1080	4.678 372	154,80	92,88
90	with triple vents, sterile	16	480	6.285 816	84,80	50,88
90	without vents, sterile	16	480	6.285 817	84,80	50,88
150	with triple vents, sterile	19	140	4.680 144	131,50	78,90

Mini centrifuge LLG-uniCFUGE 2













Compact and reasonably priced mini centrifuges with two rotor types. Speed can be adjusted to 4000 rpm or 6000 rpm. Powerful motor for fast starting. Quick stop when the lid is opened.

LLG-uniCFUGE 2 with Universal rotor for 6 x 1.5/2.0 ml and 6 x 0.5 ml tubes and 2 times 8 x 0.2 ml PCR-stripes.

Scope of supply: Centrifuge, mains cable

Specifications

Max. RCF: 1200 x g and 2000 x g 4000 rpm and 6000 rpm Max. speed: Motor: brushless DC motor

Max. load: 6 x 0.5/1.5/2 ml and 2 x 8-tube PCR

strips (0.2 ml) 140 x 120 mm Dimensions (diam. x H): Power supply: 100 ... 240 V, 50/60 Hz

Warranty: 3 vears

					-25%
Description	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniCFUGE 2 with universal rotor	EU	1	6.263 510	232,40	174,30

Safe-lock reaction tubes, PP









- A small clasp on the patented cap locking device clips onto the rim of the tube
- Autoclavable when open (121 °C, 20 min.)
- With frosted labelling area.
- Excellent mechanical stability for centrifugation
- Graduated

					-10%
Capacity	Colour	PK	Cat. No.	Price	Now
ml				EUR	EUR
0.5	Transparent	500	9.409 320	50,90	45,81
1.5	Transparent	1000	9.409 331	51,50	46,35
2.0	Transparent	1000	9.409 341	70,30	63,27
0.5	Assorted colours	500	9.409 357	55,20	49,68
1.5	Assorted colours	1000	9.409 358	55,20	49,68
2.0	Assorted colours	1000	9.409 359	76,00	68,40

Centrifuge Frontier™ Multi FC5707



Including rotor for 15 ml and 50 ml tubes





Compact multifunctional centrifuge for general laboratory applications, with splash-proof control panel and touch-wheel control.

- Backlit, two-lined LCD display
- Quiet brushless motor
- 10 acceleration and deceleration rates
- Fast spin for small measurement runs
- Timer 10 s to 99 h 59 min 59 s
- Memory for up to 99 programmes
- Lid locking system
- Imbalance sensor
- Angle rotor for 4 x 50 ml or 4 x 15 ml tubes

Scope of supply: Centrifuge, 4 x 50/15 ml angle rotor

Specifications

Max. rcf: 4445 x g Speed: 200 ... 6800 rpm Permitted ambient temperature: 2 ... 35 °C Dimensions (WxDxH): 277 x 356 x 236 mm Power supply: 230 V, 50/60 Hz

10 kg Weight: 25% PK Cat. No. Туре **EUR EUR** FC5707+R09 1 6.492 207 1.050,00

Eppendorf Tubes® BioBased, PP, with screw cap, HDPE





Eppendorf Tubes® BioBased are made of 90% bio-based plastic. For cell culture and cell biology applications, as well as for sample preparation in microbiology and molecular biology laboratories.

- Sterile
- Pyrogen-, DNase-, RNase- and DNA-free Lid with grooved sides
- Conical with screw cap - Large labeling field

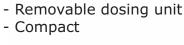
- ISC	C PLUS and	ACT certification				-10%	
Nom.		Package	PK	Cat. No.	Price	Now	
L	хg				EUR	EUR	
5	2500	2 bags of 100	200	4.687 109	77,40	69,66	
15	19500	10 bags of 50	500	4.687 110	181,00	162,90	
25	17000	8 bags of 25	200	4.687 111	83,70	75,33	
50	19500	20 bags of 25	500	4.687 112	216.00	194,40	

Ultrapure water system arium® mini plus extend/mini plus extend UV



SVSTOSIUS

- For type 1 and type 3 water





A combined ultrapure water system was developed to provide ASTM type 1 and type 3 water. arium® mini is the first ultrapure water system with integrated bag tank technology. The 5-litre bags are made of multilayer and specialised film, conforming to biocompatibility standards. The pure water can be stored in the side integrated 5-litre bag until the production of type 1 pure water.

The arium® mini extend versions have a removable dispenser with magnetic holder for ergonomic and splash-free filling. The combination of the dispenser with the ultrapure water system enables a small footprint. Can be combined with Sterile Plus final filter or Cell Plus filter.

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
arium® mini plus extend	1	6.493 291	6.170,00	4.627,50
arium® mini plus extend UV	1	6.493 292	6.900,00	5.175,00

Accessories for Ultra Pure Water System arium® mini plus

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
Sterile filter	1	6.288 218	123,00	92,25
Pre-treatment cartridge	1	7.647 749	369,00	276,75
Scientific kit ultrapure cartridge	1	7.647 755	299,00	224,25
5-litre bag	1	7.647 756	50,40	37,80

Laboratory bottles, DURAN®, with retrace code, with screw cap



With blue PP screw cap and pouring ring. ISO 4796-1 compliant. Thread acc. to DIN 168-1 and approximate graduations.

							-30%
Capacity	Diam.	Height with cap	Neck thread	PK	Cat. No.	Price	Now
ml	mm	mm	GL			EUR	EUR
1000	101	230	45	10	4.679 010	167,00	116,90
2000	136	265	45	1	9.072 007	49,10	34,37
3500	160	295	45	1	9.071 682	125,20	87,64
5000	182	335	45	1	9.072 008	173,70	121,59
10000	227	415	45	1	9.072 004	324,90	227,43
15000	268	450	45	1	7.076 312	406,40	284,48
20000	288	510	45	1	9.072 009	695,70	486,99

Distilled water



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

Specifications

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

Capacity	PK	Cat. No.	Price
L			EUR
10.0	1	6.273 852	10,30
20.0	1	6.280 900	20,60
60.0	1	6.289 280	63,40

Overhead stirrer EUROSTAR 20 digital

IK A°

Magnetic stirrer Mini MR standard



Overhead stirrer designed for simple stirring tasks for quantities up to 15 I (H₂O) Continuous comparison of shaft speed to desired speed is maintained, and variations are adjusted automatically. This guarantees a constant speed even with changes in viscosities of the sample.

- Digital speed display
- Infinitely adjustable speed
- Push-through agitator shafts
- Overload protection
- Short-term overload operation



- For stirring quantities up to 1 L (H₂O).

- Infinitely variable speed from 0 to 2500 rpm
- White top plate suitable for observing colour reactions
- Power supply with adapter for EU/CH/UK/USA

Specifications

Stirring quantity max. (H2O): Max. viscosity:

Motor rating input/output: Speed range:

Max. torque at stirring shaft:

Display:

Chuck range:

Dimensions (W \times D \times H):

Weight:

Protection class DIN EN 60529:

Power supply:

15 I 10000 mPas 70/42 W 0/30 20 No LED 0.5 to 86 x 208 x 248 mm 4.4 kg

to 2000 rpm	Perr
cm	Plate
	Тор
o 10 mm	Ove
	_

IP 42

230 V, 50/60 Hz

Specifications

Max. stirring volume, (H2O):

Speed range:

Permissible ambient temperature:

missible relative moisture:

e material:

plate dimensions (W x D): erall dimensions (W \times D \times H):

Supply requirements:

Protection to DIN EN 60529:

1 I

0 ... 2500 rpm 5 ... 40 °C

80%

Polyester film

115 x 115 mm

115 x 129 x 37 mm 100 ... 240 V, 50/60 Hz

TP42

					-25%
Туре	Connector	PK	Cat. No.	Price	Now
				EUR	EUR
EUROSTAR 20 digital	EU	1	9.816 691	1.246,00	934,50
EUROSTAR 20 digital	UK	1	9.816 692	1.252,90	939,68
EUROSTAR 20 digital	CH	1	9.816 693	1.251,85	938,89

					-25%
Туре	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
Mini MR standard	EU/CH/UK/USA	1	9.720 211	295,00	221,25

Crescent-shaped stirring rotors, PTFE





The semi-circular shape of the paddle is ideal for mixing in roundbottom flasks. The pivoting blade allows insertion into vessels with narrow necks and/or ground joints.

The stirrer shafts consist of a PTFE-jacketed, stainless steel shaft and a stirrer paddle made of solid PTFE.

Operating temperature: -200 °C to +250 °C

						-20%
Ø agitator	Ø agitator shaft	To fit chuck diam.	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
65	8	6.5	1	9.197 121	160,10	128,08
90	8	6.5	1	9.197 122	155,30	124,24
90	10	8.0	1	9.197 127	175,70	140,56
90	10	8.0	1	9.197 124	167.10	133,68

Propeller, 3 blades, PTFE





The blades are inclined at 45°. Recommended for medium to high speed operations.

The stirrer shafts consist of a PTFE-jacketed, stainless steel shaft and a stirrer paddle made of solid PTFE. High chemical resistance makes it almost universally suitable.

Operating temperature: -200 °C to +250 °C

						-20%
Ø agitator	Ø agitator shaft	To fit chuck diam.	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
50	6	4.0	1	9.197 138	157,80	126,24
75	8	6.5	1	9.197 130	231,90	185,52
75	10	8.0	1	9.197 140	256,30	205,04

Eppendorf ThermoMixer™ FP/F0.5/F1.5/F2.0



Inclusive block

eppendorf



The devices combine precise heating and mixing with the highest stability, even at maximum mixing frequency. Mixing and incubation steps can be performed independently.

- For 24 reaction vessels or one microplate/deepwell plate
- Simple and intuitive operation using predefined temperature keys (37 °C, 42 °C, 56 °C and 95 °C)
- Improved temperature homogeneity with the new ThermoTop

Specifications

Temperature operation range: Temperature adjustable range: Accuracy/Resolution: Max. heating time:

Shaking frequency ThermoMixer $^{\text{TM}}$ F1.5/F2.0: Shaking frequency ThermoMixer $^{\text{TM}}$

FP/F0.5:

Orbit: Weight:

Electrical heating power: Power supply:

FP // F0.5 // F1.5 // F2.0

Min. 4 °C above RT, max. 100 °C 1 °C/100 °C ±0.5 °C at 20 ... 45 °C 18 °C/min // 15 °C/min // 11 °C/min // 13 °C/min

300 to 1500 rpm

300 to 2000 rpm 3 mm 6.1 kg // 6.2 kg // 6.3 kg // 6.3 kg 200 W 220-240 V, 50/60 Hz

20% PK Cat. No. Now Type (W x D x H) FUR **EUR** ThermoMixer™ FP 206 x 304 x 164 9.776 905 2.615.20 ThermoMixer™ F0.5 206 x 304 x 163 1 9.776 936 2.511,20 ThermoMixer™ F1.5 ThermoMixer™ F2.0 206 x 304 x 170 9.776 904 2.449,60 206 x 304 x 170 1 9.776 937 2.449,60

Roller mixer CTR-6



- For CO₂ incubators
- With remote control





- With remote control to protect the electronics from the CO_2 environment of the incubator
- With stepper motor, guaranteed service life up to 10000 h
- Timer from 1 min to 96 h, continuous
- Stackable with optional stacking kits (up to 3 devices)

					-25%
Туре	Movement type	PK	Cat. No.	Price	Now
				EUR	EUR
CTR-6	rotating/wobbling	1	6.523 372	1.391,00	1.043,25

Stacking kits for roller mixer CTR-6

					-25%
Туре	Description	PK	Cat. No.	Price	Now
				EUR	EUR
CTR SK2	For 2 devices	1	6.523 373	196,00	147,00
CTR SK3	For 3 devices	1	6.523 374	294,00	220,50

Centrifuge/Vortexer MSC-2P



- 2 functions in one device

- For PCR plates

MSC-2P is a compact, benchtop digital centrifuge and vortex mixer for unskirted or semi-skirted PCR plates. The combination of centrifugation and mixing functionality ensures fast operation and repeatable results. Suitable for high sample throughput and particularly small volumes. With 4 independent modes for centrifugation, vortexing (up to 5 min), combined centrifugation/vortexing motion and the spin-mix-spin algorithm (up to 10 cycles), which reduces errors during sample preparation.

Scope of supply: Centrifuge, rotor for 2 PCR plates



					-25%
Туре	Movement type	PK	Cat. No.	Price	Now
				EUR	EUR
MSC-2P	circling	1	4.708 897	740,00	555,00

Spectrophotometers XD 7000 VIS and XD 7500 UV-VIS





XD 7000 VIS

UV-VIS and VIS spectrophotometers with dual beam optics. The instruments benefit from a barcode test recognition system, over 150 pre-programmed analytical methods and automatic cuvette detection. Further functions of the spectrophotometers include measurement of transmission and absorbance, scanning of spectra, kinetics analysis and creation of user-defined methods.

- Premium optical system with reference beam
- Automatic test recognition with internal barcode reader
- Supports round cuvettes with 13, 16, 24 mm and rectangular cuvettes with 10, 20, 50 mm
- Automatic cuvette type detection
- More than 150 analytical methods implemented
- 7" colour display and keypad
- Ethernet, USB
- 20 user profiles possible
- Up to 1000 user programmes
- Creation of up to 100 further user-defined methods
- Password protection possible

Specifications Optical System:

Wavelength range:

Bandwidth:

Wavelength accuracy: Wavelength repeatability:

Photometric range: Photometrical resolution/Transmission:

Internal Storage:

Lamps:

Dimension (W \times D \times H):

Weight: Power supply: Protection class: XD 7000 VIS // XD 7500 UV-VIS grid monochromator with

reference beam

320 - 1100 nm // 190 - 1100 nm

4 nm

±1 nm on all Holmium peaks

better than 0.5 nm -3.3 to +3.3 Abs

0.001 Abs/0.1%

0.003 Abs below 0.6 Abs 40 MB for approx. 5000 data sets

Tungsten-halogen-lamp // Xenon flash lamp 422 x 323 x 195 mm approx. 4.5 kg

100 - 240 V, 50/60 Hz IP 30

25% PK Cat. No. Туре Price Now **EUR** XD 7000 VIS XD 7500 UV-VIS 6.272 436 3.317,85 5.702,18 1 6.272 437

Disposable cuvettes

Kartell



Disposable cuvettes for spectroscopy, in optical-quality PS and UV grade PMMA with optical windows for optimum transmittance when using $\,$ wavelengths from 340 nm to 800 nm (PS) and from 280 nm to 800 nm (PMMA). The range $\pm 1\%$ absorption, this is the vital when batch analysis is being undertaken.

Description Capacity Material PK Cat. No. Price Standard cuvettes ml EUR Standard cuvettes 4.5 PS 100 9.406 431 29,60 Semi-micro cuvettes, low form Semi-micro cuvettes, 2.5 PS 100 9.406 433 22,10 high form Semi-micro cuvettes, 2.5 PS 100 9.406 433 22,10	%	-2!						
Standard cuvettes 4.5 PS 100 9.406 431 20,60 Semi-micro cuvettes, 1.5 PS 100 9.406 432 21,20 low form Semi-micro cuvettes, 2.5 PS 100 9.406 433 22,10 high form	Now		Price	Cat. No.	PK	Material	Capacity	Description
Semi-micro cuvettes, low form 1.5 PS 100 9.406 432 21,20 Semi-micro cuvettes, high form 2.5 PS 100 9.406 433 22,10	EUR		EUR				ml	
low form Semi-micro cuvettes, 2.5 PS 100 9.406 433 22,10 high form	15,45		20,60	9.406 431	100	PS	4.5	Standard cuvettes
high form	15,90		21,20	9.406 432	100	PS	1.5	
	16,58		22,10	9.406 433	100	PS	2.5	
Standard cuvettes, 4.5 PS 100 9.406 434 18,40 4 clear faces	13,80		18,40	9.406 434	100	PS	4.5	Standard cuvettes, 4 clear faces
Standard cuvettes 4.5 PMMA 100 9.406 435 29,70	22,28		29,70	9.406 435	100	PMMA	4.5	Standard cuvettes
Semi-micro cuvettes, 2.5 PMMA 100 9.406 436 28,90 high form	21,68		28,90	9.406 436	100	PMMA	2.5	· ·
Semi-micro cuvettes, 1.5 PMMA 100 9.406 437 33,50 low form	25,13		33,50	9.406 437	100	PMMA	1.5	
Standard cuvettes, 4.5 PMMA 100 9.406 438 26,00 4 clear faces	19,50		26,00	9.406 438	100	PMMA	4.5	

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

						-20%
Length	Width	Height	PK	Cat. No.	Price	Now
mm	mm	mm			EUR	EUR
210	70	35	1	4.682 061	19,10	15,28

Cold Light Source KL 1600 LED Package



Suitable for photo documentation



- Very long service life



- Powerful illumination system with a brightness of 680 lm
- Ripple free illumination for digital imaging applications
- Colour temperature of 5.600 K does not change when the light source is dimmed

Scope of supply:

LED Cold light source KL 1600 LED incl. 2-armed gooseneck light guide, 2 focus lenses, according power cord

Specifications

Colour temperature: Light flux: Dimensions KL 1600 LED (W x D x H): Dimensions light guide (Ø x L): Weight:

Power supply:

5600 K 680 lm 114 x 23

114 x 231 x 137 mm 4.5 x 600 mm

3.9 kg

100 ... 240 V, 50/60 Hz

					-25%
Туре	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
KL 1600 LED Package	EU	1	4.666 289	1.192,00	894,00

Square cover slips





Made of D263 M borosilicate glass. Accurate cutting free of flaws and blisters.

Width	Length	Thickness	PK	Cat. No.	Price
mm	mm	mm			EUR
15	15	0.13-0.16	200	9.161 015	4,80
20	20	0.13-0.16	200	9.161 020	5,85
22	22	0.13-0.16	200	9.161 022	6,40
24	24	0.13-0.16	200	9.161 024	7,85
20	20	0.13-0.16	100	9.161 019	3,95
22	22	0.13-0.16	100	9.161 023	4,30
24	24	0.13-0.16	100	9.161 025	4,90

Microscope, RED 100



Ideal For educational purposes



- Cost-effective

RED 100 Series, the ideal microscope series for pupils and students.

- Widefield eyepiece WF10X/18 mm, with pointer
- Cordless LED illumination 20 mA, 3.5 V, 70 mW with intensity control
- 10 years warranty
- Monocular head, 45° inclined, 360° rotating
- Reversed triple revolving nosepiece
- Achromatic objectives EA 4X, 10X, 40X S
- Coarse and fine focusing system with tension adjustment
- Side gliding stage, movable back and forth
- "one-touch" sample clips
- Built-in 0.65 N.A. condenser and iris diaphragm



					-25%
Туре	Description	PK	Cat. No.	Price	Now
				EUR	EUR
RED 100	Monocular	1	6.285 856	276,00	207,00

LLG-Hand tally counter





Mechanical hand tally counter with a counting capacity of 9999 for counting, e.g. blood cells, or bacterial colonies.

				-25%
Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG handpiece counter	1	6.328 021	10.05	14.96

Microscope slides





Enhancing precision cancer diagnostics

According to ISO 8037/1. Prewashed and polished. Nominal thickness 1 mm. Size 76 x 26 mm. Also available with 20 mm, frosted, writing patch at one end.

Туре	Description	Edge finish	PK	Cat. No.	Price
					EUR
Without frosted end	Extra white	Cut	50	9.161 110	3,25
With frosted end	Extra white	Cut	50	9.161 145	4,45
Without frosted end	Extra white	Ground 45°	50	9.161 120	5,45
With frosted end	Extra white	Ground 45°	50	6.050 042	6,80
Without frosted end	Extra white	Ground 90°	50	6.229 386	5,15
With frosted end	Extra white	Ground 90°	50	6.050 000	6,20

Vacuum Ovens VO

Reliable, convenient and energy-efficient. Separately controllable and directly heated thermoshelves ensure precise temperature control and, thanks to the digital pressure control, the load is dried quickly and

- Safety glass door with armoured glass on the inside and splinter shield on the outside
- Digital pressure control
- Directly heated and individually controllable thermoshelves
- With 2 thermoshelf connections
- Optional: Pump base cabinet and energy-efficient vacuum pump

ControlCOCKPIT with two colour displays

Scope of supply: Vacuum drying oven, 1 aluminium thermoshelf, calibration certificate (for 160 °C at 20 mbar), software AtmoCONTROL

Specifications

Working temperature range: at least 5 above ambient

to +200 °C

Setting temperature range:

20 °C to +200 °C up to 99.9: 0.1 °C/

Setting accuracy:

from 100: 0.5 °C 5 to 1100 mbar

Power supply:

Vacuum:

230 V, 50/60 Hz

Type	Nom. capacity	Max. shelves	Included shelves	Internal dimensions (W x D x H)	External dimensions (W x D x H)	Rated capacity
	L			mm	mm	kW
VO29	29	1	1	385 x 250 x 305	550 x 400 x 607	0.82
VO49	49	2	1	385 x 330 x 385	550 x 480 x 687	2.02
VO101	101	2	1	545 x 400 x 465	710 x 550 x 767	2.42

Now	Price	Cdt. No.	PK.	ivet weight	capacity
EUR	EUR			kg	kW
5.928,00	7.904,00	4.663 352	1	55	0.82
6.693,75	8.925,00	4.663 353	1	83	2.02
8.892,75	11.857,00	4.663 354	1	110	2.42

V029

memmer

Piston pump LLG-uniVACUUPUMP 1

The **portable** piston pump LLG-uniVACUUPUMP 1 has been developed for vacuum and pressure applications in the laboratory. The LLG-uniVACUUPUMP 1 operates oil-free and can also be used as a compressor to a pressure up to 3.3 bar. Not recommended for pumping organic, acidic or basic vapours.

Advantages:

- Cost-effective alternative for water pumps
- Oil-free, suitable for continuous operation
- Suction/pressure connection: hose nozzle DN 6 for hose inner diameter

Scope of supply: Pump, incl. 2 hose clamps, EU + UK-plug power cord



Specifications

9.2/11 l/min Pump speed 50/60 Hz at atmospheric pressure: 292 mbar Final pressure: Max. overpressure: 3.3 bar Max. operating gas temperature: 60 °C Permissible ambient temperature: 10 ... 40 °C Suction/pressure connection: DN 6 Dimensions (W \times D \times H): 194 x 114 x 191 mm Weiaht: 2.0 kg

Power supply: 230 V/50 Hz IP code: IP 20 Warranty: 3 years

		-2	20%
Гуре	PK Cat. No.	Price	Now
		EUR	EUR
LG-uniVACUUPUMP 1	1 6.263 580	313,90	251,12

Mini Diaphragm Vacuum Pumps



For Filtration, SPE, Degassing, Fluid aspiration.

- PTFE-coated diaphragm is ideal for aggressive/corrosive gases and vapours
- Pump head made from PPS (Polyphenylsulfide), valves made from FFPM (Perfluoro rubber)

Specifications

Connectors for tube:

LABOPORT®

N 816.3 KT.18: ID6 mm 5 to 40 °C Permissible media and ambient temperature: Flow rate: Up to 1.8 m³/h Ultimate vacuum: Up to 20 mbar abs. IP code: IP 20

						-25%
Туре	Flow rate	Max. pressure	PK	Cat. No.	Price	Now
	I / min.	bar			EUR	EUR
N 816.3 KT.18	16	0.5	1	7.620 376	889,00	666,75



Moisture balances MB23 and MB25



The Moisture Analysers MB-23 and MB-25 provide stable results with 0.1% or 0.05% moisture resolution because of precision weighing technology. They are supplied with either an infra-red or halogen heating system. Applicable for most applications.

- Halogen (MB-25) or infra-red (MB23) technology
- Sample holder included in MB25 but as option in MB23
- Delivered with 50 x 90 mm aluminium sample dishes and protective cover

Specifications MB23 // MB25

Capacity: 110 g

Repeatability 3 g/10 g: 0.3%/0.2% // 0.2%/0.05%

0.1% or 0.01 g // 0.05% or 0.005 g Readability: 1 ... 99 min, 30-second increments Timer:

to 60 min 50 ... 160 °C

Temperature range: Operating temperature: 5 ... 40 °C 90 mm

Pan size (diam.): Dimensions (W \times D \times H): 170 x 130 x 280 mm

Net weight: 2.3 kg

100 - 240 V, 50/60 Hz Power supply:

				-23 70
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
MB23	1	9.947 604	1.425,00	1.068,75
MB25	1	9.947 605	2.035,00	1.526,25

Hanging Scales HDB-N

Convenient for hanging loads.

- Ideal for quick checking in goods receiving and shipping, also suitable for cases
- Data hold function: For easy reading of the weight, the display can be "frozen" in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key
- Hook (stainless steel), can be hinged
- Batteries included, 2 x 1.5 V AAA, operating time approx. 180 h



-25%

							-25%
Туре	Capacity	Readability	Weight	PK	Cat. No.	Price	Now
	kg	g	g			EUR	EUR
HDB 5K5N	5	5	200	1	6.231 173	62,00	46,50

Ioniser AD-1683A





Suitable for all scales





The ioniser can be used as a stand-alone unit with all balances from any manufacturer, making it a useful addition to any weighing environment. The positive and negative ions generated by the ioniser neutralise static charges almost immediately. The tungsten electrode needles maintain the ambient ion balance. The integrated IR sensor allows touchless ON/OFF control, making the removal of static charges even more efficient.

- Adjustable discharge time in either timer mode (3 s or 10 s) or manual mode (any time)
- No risk of contamination as the ioniser uses the direct current
- method and does not require a fan to discharge the ions External IR switch (AX-IR-SWITCH) optionally available (For switching the ioniser on and off close to hand.)

				-25%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
AD-1683A	1	6.524 445	1.269,00	951,75
AX-IR-SWITCH	1	6.493 501	265,00	198,75

Playing card rejects



Standard size for use as disposable sample carriers or spatulas. Pack size: 1 kg, not sorted.

				-10%
Туре	PK	Cat. No.	Price	Now
			EUR	EUR
Unprinted and laminated on both sides	1	6.051 731	17,40	15,66

Analytical balance ADT





- Internal adjustment
- Touch display

Analytical balance with flexible functionality and touch display for use in the pharmaceutical industry as well as other fields. Data query and remote control of the balance is carried out via computer or CRM/ERP systems using the KERN Communication

- Backlit LCD display
- GLP/ISO record keeping
- RS 232 data interface and USB (Device)

Scope of supply: Analytical balance, draught shield



Specifications

Readability: 0.0001 g Automatic adjustment: internal Weighing surface (WxD): Ø 90 mm Plug type: EU/UK/CH/US/AUS Power supply: 100 ... 240 V, 50/60 Hz Warranty: 3 years

					-25%
max. load	Plug type	PK	Cat. No.	Price	Now
g				EUR	EUR
120	EU/UK/CH	1	4.711 753	1.700,00	1.275,00
220	EU/UK/CH	1	4.711 754	1.900,00	1.425,00
320	EU/UK/CH	1	4.711 755	2.100,00	1.575,00
	g 120 220	g 120 EU/UK/CH 220 EU/UK/CH	g 120 EU/UK/CH 1 220 EU/UK/CH 1	g 120 EU/UK/CH 1 4.711 753 220 EU/UK/CH 1 4.711 754	g EUR 120 EU/UK/CH 1 4.711 753 1.700,00 220 EU/UK/CH 1 4.711 754 1.900,00

For orders below 150€ a handling and shipping cost of 25€ is charged.



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