



Labware

TOP Offers



-30 %



Single-channel microlitre pipette ROTILABO®

A 121 °C

ROTH SELECTION. Autoclavable: Yes.

Robust quality pipettes with variable volume for routine work and demanding applications.

- Ergonomi ngler support single-hand operation
- Separate tip eject button
- Central, large pipettor button
- Separate volume adjustment, for left- and right-handed users
- Easy-to-read display
- Integrated calibration function for easy adjustment without tools
- Corrosion-resistant plunger and ejector
- Slim shaft
- Fully autoclavable

Volume (µl)	Graduation (µl)	Art. No.	Pack Qty.	€	€
0.5 to 10	0,01	TA21.1	1 unit(s)	249,05	174,00
2 to 20	0,02	TA22.1	1 unit(s)	224,70	157,25
10 to 100	0,1	TA23.1	1 unit(s)	213,95	149,75
20 to 200	0,2	TA24.1	1 unit(s)	224,70	157,25
100 to 1000	1	TA25.1	1 unit(s)	213,95	149,75
500 to 5000	5	TA26.1	1 unit(s)	234,35	164,05
1000 to 10000	10	TA27.1	1 unit(s)	245,10	171,55

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Contact: www.carlroth.com/com/en/Auslandsservice · www.carlroth.com/com/en/Auslandsvertretungen
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Valid from 1 October to 31 December 2020



-20 %

Rotator RS-RD 5

Phönix Instrument.

For soft and gentle mixing of samples in various tubes/vials.

- Fixed 90° rotation angle
- Max. loading options:
48 reaction vials 1.5/2.0 ml
8 centrifuge tubes 15 ml
8 centrifuge tubes 50 ml

Technical specifications:

Type	RS-RD 5
Speed range	0 to 80 rpm
W x D x H, external	220 x 300 x 310 mm
Mains connection	100–240 V, 50/60 Hz

Delivery incl. 36 Clips for reaction vials 1.5/2.0 ml and 12 clips each for centrifuge tubes 15/50 ml.

Art. No.	Pack Qty.	€	€
CHA0.1	1 unit(s)	499,90	399,90



-25 %

Rocker shaker 2D Digital Rocker

NEW

Thermo.

For protein synthesis, ELISA, gel colouring and discolouration, antibody colouring and hybridisation.

- Digital speed and time display
- Inclination angle can be electronically adjusted from 1 to 15°

Technical specifications:

Type	2D Digital Rocker
Movement type	See-saw
Speed range	1 to 70 rpm
Timer	1 min to 99 h, 59 min or continuous operation
Shaking surface area	282 x 322 mm
W x D x H	292 x 390 x 206 mm
Mains connection	100–240 V, 50/60 Hz

Delivery incl. dimpled rubber mat.

Art. No.	Pack Qty.	€	€
1AT5.1	1 unit(s)	830,00	622,00

Accessories

Universal mat for 2D Digital Rocker

Thermo.

Smooth, slip-resistant surface for dishes, culture bottles and bags.

Art. No.	Pack Qty.	€	€
1AT6.1	1 unit(s)	92,30	24,20



-20 %

Shakers RS series

Phönix Instrument.

- Max. load capacity: 3 kg
- Continuous speed adjustment

Technical specifications:

Art. No.	CAX8.1	CAX9.1
Type	RS-OS 5	RS-LS 5
Movement type	circular	back and forth
Speed range	0 to 200 rpm	
Shaking amplitude (stroke)	20 mm	
Shaking surface area	240 x 240 mm	
W x D x H	245 x 310 x 125 mm	
Mains connection	100–240 V, 50/60 Hz	

Delivery incl. tray top with mixing bands.

Type	Art. No.	Pack Qty.	€	€
RS-OS 5	CAX8.1	1 unit(s)	499,90	399,90
RS-LS 5	CAX9.1	1 unit(s)	499,90	399,90



-35 %

&



Shaker Genie™ Mini-100 Orbital Promotion-Set

NEW

Scientific Industries.

- Max. load capacity: 3 kg
- Continuous speed adjustment

Promotion-Set

+ additional platform incl., can be extended as 2nd floor

Technical specifications:

Type	Promotion-Set Shaker Genie™ Mini-100 Orbital
Movement type	Circular
Speed range	20 to 100 rpm
Shaking amplitude (stroke)	19 mm
Shaking surface area	290 x 290 mm
W x D x H	350 x 350 x 90 mm
Mains connection	230 V, 50 Hz

Art. No.	Pack Qty.	€	€
HHP1.2	1 set	921,30	595,25



-20 %

Vacuum system LVS 105 T-10 ef+

Welch Vacuum.

Specially designed for rotary evaporators, distillation, vacuum ovens and vacuum drying. With chemical-resistant diaphragm vacuum pump and vacuum controller VCpro600. To ensure a freely selectable vacuum of ± 1 mbar, the pump speed is continuously adapted to the gas load.

Advantages:

- Faster process results are ensured by constant evaporation and degassing
- Automatic vacuum adjustment and control
- Controller with large, multilingual colour display and light/dark screen mode for optimum visibility
- Integrated solvent library with stored distillation-specific parameters and freely adjustable boiling points; storage of individual pressure curves for novel processes possible
- With communication interface for remote control/monitoring, for downloading logged process data and for software updates
- Low-noise operation through speed reduction

Technical specifications:

Delivery rate	18 l/min
End vacuum (abs.)	< 2,0 mbar
Connection	for hose inner Ø 8 mm
Interface	RS 232, LAN
W x D x H	250 x 260 x 435 mm
Weight	9,5 kg
Mains connection	115 – 240 V, 50/60 Hz

Delivery incl. chemical-resistant diaphragm pump, built-in controller, eco-ex control unit, suction-side separator with 500 ml round bottom flask, pressure-side intensive cooler with 500 ml round bottom flask and safety valve.

Art. No.	Pack Qty.	€	€
NH35.1	1 unit(s)	3.724,90	2.979,90

Diaphragm vacuum pump LABOPORT® Mini

KNF.

- Suitable for continuous operation
- Very quiet and low vibration
- Thermal switch and mains fuse

-20 %

KT version

Ideal for pumping and evacuating slightly aggressive or corrosive gases and vapours.

Technical specifications:

Art. No.	Y371.1	Y372.1	Y373.1
Pump type	N 86 KT.18	N 816.3 KT.18	N 816.1.2 KT.18
Delivery rate	5,5 l/min	16,0 l/min	30,0 l/min
End vacuum (abs.)	160 mbar	20 mbar	160 mbar
Overpressure	2,5 bar	0,5 bar	
Media temperature	+5 - +40 °C		
Connection	Hose inner Ø 4 mm	Hose inner Ø 6 mm	
Motor power	60 W	100 W	
Materials in contact with media	Pump head: PPS, Diaphragm: PTFE-coated, Valves: FFPM		
W x D x H	90 x 164 x 141 mm	90 x 361 x 141 mm	102 x 361 x 141 mm
Weight	1,9 kg	3,95 kg	
Mains connection	230 V, 50 Hz		



Type	Art. No.	Pack Qty.	€	€
N 86 KT.18	Y371.1	1 unit(s)	419,25	335,40
N 816.3 KT.18	Y372.1	1 unit(s)	783,70	626,70
N 816.1.2 KT.18	Y373.1	1 unit(s)	799,80	639,60



-25 %

Tube ROTILABO® Silicone

A 121 °C

ROTH SELECTION. Autoclavable: Yes.

Temperature-resistant -60 to +260 °C for short periods of time.

Vacuum design

Thick-walled.

Ø Internal (mm)	Ø External (mm)	Wall thickness (mm)	Art. No.	Pack Qty.	€	€
3	9	3	9737.1	5 m	31,15	23,30
4	12	4	9738.1	5 m	41,25	30,90
5	15	5	9740.1	5 m	59,15	44,30
6	12	3	9742.1	5 m	38,60	28,90
7	15	4	9744.1	5 m	63,40	47,50
8	16	4	9746.1	5 m	70,90	53,15
10	20	5	9747.1	5 m	89,35	66,95
12	22	5	T980.1	5 m	96,65	72,45



-20%

Rotary vane pump package ROTILABO® CR-DS40 ROTH SELECTION.

Robust, two-stage vacuum pump primarily for vacuum ovens, freeze dryers and the Schlenk line technique. Its innovative technology means that it has a long service life and is highly reliable and low-maintenance.

- Lower operating temperature thanks to optimised cooling, which reduces the chemical activity in the pump and the oil consumption.
- Extended oil change intervals thanks to the large oil storage tank.
- Larger oil capacity results in increased dilution of chemical vapours, minimisation of oil degradation rates and reduction in chemical damage in the pump.
- Decelerated metal corrosion thanks to the additional coating of pump module and oil storage tank which, in conjunction with cold traps, extend the maintenance intervals.

Delivery incl. Oil mister, adapter (DN 16 small angle to DN 10/8 mm hose nozzle), 1 l pump oil, funnel, clamping and centring rings.

Technical specifications:

Delivery rate	38 l/min, 2,3 m³/h
End vacuum (abs.)	3×10^{-3} mbar
End vacuum abs. with gas ballast	9×10^{-2} mbar
Connection	KF DN 16 small angle
Oil filling	0,45 l
Motor power	290 W
Noise level	50 db
W x D x H	384 x 138 x 211 mm
Weight	15 kg
Mains connection	115 – 230 V, 50/60 Hz

Art. No.	Pack Qty.	€	€
1A9E.1	1 unit(s)	1.822,15	1.457,70



Ion exchanger cartridge DS series

stakpure. Made of Stainless steel AISI 316.

Pressure-resistant (up to 10 bar) stainless steel ion exchanger cartridges made of stainless steel, can be connected directed to the mains water.

For the production of demineralised water. Suitable for supplying ultra-pure water systems, analysis machines, dishwashers and autoclaves, or for industrial use with process water, battery water and cooling water. Acc. to standards such as ASTM, CLSI, DIN EN 285, VDE 0510.

Note: Capacity data apply for feed water with a total salt content of 10° dH; with a higher salt content or higher amounts of carbonic and silicic acid in the water, the capacity reduces.

Technical specifications:

Art. No.	KCE3.1	KCE4.1	KCE5.1	KCE6.1
Type	DS 1500	DS 2000	DS 2800	DS 4000
Cartridge filling	Mixed bed resin, regenerative			
Capacity	1,500 l	2,000 l	2,800 l	4,000 l
Flow rate	300 l/h		950 l/h	1,000 l/h
Clean water quality	0,1-20 µS/cm			
Ø	240 mm			
Height	410 mm	490 mm	570 mm	700 mm
Max. water temperature	30 °C			
Connection	R ¾"			

Delivery without conductivity tester (Order No. KCH2.1), please order separately.

Type	Art. No.	Pack Qty.	€	€
DS 1500	KCE3.1	1 unit(s)	620,90	464,40
DS 2000	KCE4.1	1 unit(s)	686,95	514,90
DS 2800	KCE5.1	1 unit(s)	808,40	606,30
DS 4000	KCE6.1	1 unit(s)	1.084,70	812,70

Conductivity tester AC 100 analogue

stakpure.

Suitable for ion exchangers DS 1500 to DS 4000. With integrated measuring cell. Analogue measured value display in µS/cm.

Technical specifications:

Measuring range	0.1 to 50 µS/cm
Width	93 mm
Depth	123 mm
Height	170 mm
Connection	R ¾"
Mains connection	230 V, 50-60 Hz

Delivery incl. hose set (2 x 1.5 m hoses with R ¾" connections).

Art. No.	Pack Qty.	€	€
KCH2.1	1 unit(s)	290,25	217,65





-44%

Ultrapure water system OmniaPure series

NEW

stakpure.

For the production of 20-100 litres ultrapure water ASTM Type I per day. Flexible dispenser with digital control for water withdrawal at the touch of a button.

- OptiFill dispenser as standard
- Space-saving mounting on a laboratory bench or optionally on a wall
- Simple and cost-effective filter replacement
- Integrated pre-treatment unit
- RS 232 port
- Leak sensor as standard
- Integrated pressure reducer as standard
- Ready to use, ready to connect, includes filter cartridges
- Model type "TOC" with TOC monitoring

Technical specifications:

Art. No.	KCC9.2	KCE1.1
Type	OmniaPure UV/UF ultrapure water system promotional set	OmniaPure UV-TOC/UF ultrapure water system promotional set
Conductivity of high-purity water, type I	0,055 µS/cm	
Resistance of high-purity water, type I	18,2 MΩ·cm	
Withdrawal capacity of high-purity water, type I	1,6 l/min	
Bacteria content of high-purity water, type I	<0,1 KbE/ml	
Endotoxin content of high-purity water, type I	0,001 EU/ml	
TOC value of high-purity water, type I	1–5 ppb	
DNase content of high-purity water, type I	4 pg/µl	
RNase content of high-purity water, type I	0,01 ng/ml	
Particle content of high-purity water, type I	<1/ml	
Width	390 mm	
Depth	525 mm	
Height	720 mm	
Weight	30 kg	
Mains connection	100–240 V, 50/60 Hz	

Promotional set

Typical applications:

Cell culture media, molecular biology and microbiology.

Feed water requirements:

Water treated through ion exchange, reverse osmosis, deionisation or distillation

Feed water temperature (°C)	+2–35
Feed water pressure (bar)	0.5–6
Inlet conductivity (µS/cm)	<2



Delivery incl. OmniaPure pure water system, pretreatment cartridge (RO cartridge), ultrapure water cartridge, sterile filter capsule 0.2 µm, PE hose Ø 8 mm, L 2.5 m, one PE hose Ø 8 mm, L 2.5 m incl. input protection filter and water connection adapter R 3/4". Also includes a UV lamp and/or ultrafiltration module (UF) depending on the model.

Also incl. free replacement cartridge set

(pretreatment cartridge and ultrapure water cartridge).

Type	Art. No.	Pack Qty.	€	€
OmniaPure UV-TOC/UF ultrapure water system promotional set	KCE1.2	1 unit(s)	7.234,75	4.340,85
OmniaPure UV/UF ultrapure water system promotional set	KCC9.2	1 unit(s)	6.654,25	3.992,55



from

-21%**Water bath Hydro-series****NEW**

Lauda.

For an operating temperature range from 25 to 100 °C.

- TFT display showing all process data
- With timer function, max. 999 hrs, 59 mins
- Visual and audible alarm in the event of lack of water, overheating, insufficient temperature and gauge break or short circuit

- Three application-specific timer functions
- With a drain valve

Technical specifications:

Art. No.	1A81.1	1A82.1	1A87.1	1A83.1	1A88.1	1A84.1	1A85.1	1A86.1
Type	H 4	H 8	H 8 A	H 16	H 16 A	H 22	H 24	H 41
Bath volume	4 l	8 l		16 l		22 l	24 l	41 l
L x W x H, interior	245 x 100 x 165 mm	245 x 200 x 165 mm		400 x 245 x 165 mm		400 x 245 x 225 mm	600 x 245 x 165 mm	410 x 296 x 335 mm
L x W x H, external	340 x 290 x 275 mm	340 x 395 x 275 mm	340 x 395 x 345 mm	500 x 440 x 275 mm	500 x 440 x 345 mm		700 x 440 x 275 mm	510 x 490 x 476 mm
Operating temperature	25 to 100 °C							
Temperature constancy	0,1 K							
Heating output	500 W	1000 W		1500 W				
Mains connection	230 V, 50/60 Hz							

Delivery incl. stainless steel lid.**Standard version**

Type	Art. No.	Pack Qty.	€	€
H 4	1A81.1	1 unit(s)	680,00	510,00
H 8	1A82.1	1 unit(s)	880,00	660,00
H 16	1A83.1	1 unit(s)	940,00	705,00
H 22	1A84.1	1 unit(s)	1.060,00	795,00
H 24	1A85.1	1 unit(s)	1.080,00	810,00
H 41	1A86.1	1 unit(s)	1.190,00	892,50

Design with a circulation system

Type	Art. No.	Pack Qty.	€	€
H 8 A	1A87.1	1 unit(s)	1.100,00	825,00
H 16 A	1A88.1	1 unit(s)	1.250,00	937,50

**-30%****Kettle with temperature adjustment**

Severin. Made of Stainless steel, Glass.

Volume 1.7 l. Adjustable temperature from 40 to 100 °C in 5 °C increments. Automatic switch-off after the set temperature has been reached. Separate keep-hot function for approx. 30 mins (selectable only in the temperature range from 40 to 95 °C).

Power 2200 W.

Dimensions: W 240 x D 150 x H 260 mm.

Mains connection: 220–240 V, 50/60 Hz.

Type	Art. No.	Pack Qty.	€	€
Kettle 2200 W	HHY9.1	1 unit(s)	84,20	58,90



-44%

Pure and ultrapure water system OmniaTap series

NEW

stakpure.

Preparation system for producing both pure and ultrapure water.

Directly connectable to the mains water supply.

The flexible dispenser is used to draw ASTM Type I ultrapure water.

The water is drawn at the touch of a button using the dispenser's digital control system. An integrated 10-litre tank with recirculation keeps the quality constantly at ASTM Type II. An optionally available pump station can be used to supply downstream devices with pure water (ASTM Type II) from the pure water tank.

- Space-saving mounting on a laboratory bench or optionally on a wall
- OptiFill dispenser as standard
- Simple and cost-effective filter replacement
- Ready to use, ready to connect, includes filter cartridges

Technical specifications:

Art. No.	KCA5.2	KCA6.2
Type	OmniaTap UV/UF, 6 l/h, pure/ultrapure water system promotional set	OmniaTap UV/UF, 12 l/h, pure/ultrapure water system promotional set
Conductivity of high-purity water, type I	0.055 µS/cm	
Conductivity of pure water, type II	0.067-0.1 µS/cm	
Withdrawal capacity of high-purity water, type I	1,6 l/min	
Withdrawal capacity of pure water, type II	6 l/h	12 l/h
Bacteria content of high-purity water, type I	< 0,1 KbE/ml	
Endotoxin content of high-purity water, type I	0,001 EU/ml	
TOC value of high-purity water, type I	1-5 ppb	
Width	390 mm	
Depth	615 mm	
Height	725 mm	
Weight	34 kg	
Mains connection	100–240 V, 50–60 Hz	

Promotional set

Typical applications:

Cell culture media, molecular biology and microbiology.

Feed water requirements: drinking water acc. to DIN 2000

Feed water temperature (°C)	+2–35
Feed water pressure (bar)	0.5–6
Manganese, aluminium and iron content (ppm)	<0.05
Free chlorine (ppm)	<4
Silt density index (SDI)	Max. 3
pH range	4–11



Delivery incl. OmniaTap ultrapure water system with integrated 10-l tank, sterile tank overflow and venting filter, pretreatment cartridge (RO cartridge), ultrapure water cartridge, sterile filter capsule 0.2 µm, 3 x PE hoses Ø 8 mm, L 2.5 m, water connection adapter R 3/4". Also includes a UV lamp and ultrafiltration module (UF).

Also incl. free replacement cartridge set

(pretreatment cartridge and ultrapure water cartridge).

Type	Art. No.	Pack Qty.	€	€
OmniaTap UV/UF, 12 l/h, pure/ultrapure water system promotional set	KCA6.2	1 unit(s)	7.138,00	4.282,80
OmniaTap UV/UF, 6 l/h, pure/ultrapure water system promotional set	KCA5.2	1 unit(s)	5.944,75	3.566,85

-30 %

Serological pipettes CELLSTAR®

NEW S

Greiner Bio-One. Made of PS, Polyester plugs. Sterile.

- Maximum accuracy
- High visual transparency, easy-to-read graduation
- Pipette tip design guarantees pipetting without droplets
- Increased volume capacity thanks to the extended negative graduation
- Fitted with a synthetic filter
- Pipette colour code according to international standards
- Expiration date and lot number printed on each individual piece of packaging
- Individually packed in plastic/plastic packaging with a peel-off function
- Free of detectable DNase, RNase and human DNA
- Free of detectable endotoxins, free of cytotoxic substances



Volume (ml)	Graduations (ml)	Colour coding	Sterility	Pack.	Art. No.	Pack Qty.	€	€
1	0.01	yellow	Sterile	10 x (100 x 1)	1A74.1	1,000 unit(s)	289,20	202,40
2	0.01	green	Sterile	10 x (100 x 1)	1A75.1	1,000 unit(s)	256,95	179,85
5	0.1	Blue	Sterile	4 x (50 x 1)	1A76.1	200 unit(s)	69,90	48,90
10	0.1	orange	Sterile	4 x (50 x 1)	1A77.1	200 unit(s)	74,75	52,30
25	0.2	red	Sterile	4 x (50 x 1)	1A78.1	200 unit(s)	105,35	73,75
50	0.5	violet	Sterile	5 x (20 x 1)	1A79.1	100 unit(s)	138,70	97,05

Short shape

Short shape pipettes enable users to work comfortably and without straining their back. Practical for use at low heights, e.g. under the low cabinet.

Volume (ml)	Graduations (ml)	Total length (mm)	Colour coding	Sterility	Pack.	Art. No.	Pack Qty.	€	€
5	0.1	221	blue	Sterile	4 x (50 x 1)	1A7A.1	200 unit(s)	212,85	149,00
10	0.2	221	orange	Sterile	4 x (50 x 1)	1A7C.1	200 unit(s)	295,65	206,90

-25 %



Pipetting bulb Howorka

ROTH SELECTION. Made of Natural rubber.

Manual pipette controller for Pasteur, graduated and volumetric pipettes for all common pipe diameters. Resistant to the effects of acids, bases, oils and solvents in the short term.

- Easy to operate with a special opening for an immediate sealing effect
- No additional valves or disruptive air cushions
- Almost no limit to the suction volume with multiple repetitions of the suction process
- After suction via the meniscus, the bulb is lifted and the pointer indicates the calibration mark
- Easy to clean
- Individual parts are autoclavable

Volume (ml)	Art. No.	Pack Qty.	€	€
20	KKK6.1	1 unit(s)	20,35	14,90
50	KKK7.1	1 unit(s)	21,45	16,05



Battery-powered pipette controller accu-jet® pro

Brand.

- Ergonomic design, excellently balanced
- Continuously-adjustable control of the pipetting speed
- Robust, powerful pump for fast filling times
- 8 hours of continuous pipetting with a 10 ml pipette without recharging
- Corrosion protection through active pressure compensation
- Check valve / diaphragm filter against liquid penetration
- Weight 190 g

Single-handed operation: select gravity-delivery or motorized blow-out, and adjust the motor speed range with one hand. Pipetting buttons for more sensitive control of filling and dispensing rates, especially for lower volume pipettes.

Delivery incl. nickel-metal hybrid battery, power supply (230 V, 50 Hz), 2 battery compartment lids, wall holder, 2 replacement membranes 0.2 µm, sterile.

Colour	Art. No.	Pack Qty.	€	€
dark blue	NA54.1	1 unit(s)	461,20	276,70
magenta	NA55.1	1 unit(s)	461,20	276,70
green	NA56.1	1 unit(s)	461,20	276,70
royal blue	NA57.1	1 unit(s)	461,20	276,70

-40 %





Dispensing pump OTAL® Disposable PE **NEW**

Bürkle. Made of PE, PVC.

Single-use feed tube is quick and easy to replace. No contamination of the solution due to contaminated reusable pumps. Time-consuming and cost-intensive cleaning is no longer required. The feed tube is the only part which comes into contact with the medium.

- PE feed tube, made of one piece and which can be cut to the required container height
- The drainage elbow from the feed pipe can also be cut
- Maximum flexibility and good residue emptying
- With universal adapter made of soft PVC for container openings of Ø 30-70 mm

Technical specifications:

Art. No.	1AL2.1	1AL0.1
Delivery rate	14 l/min	
Immersion depth	900 mm	
Drum	up to 120 l	up to 60 l

Delivery incl. ten disposable feed tubes and separators.

Foot pump

Version	Art. No.	Pack Qty.	€	€
With PE drainage elbow Feed tubes Ø 12 mm	1AL2.1	1 unit(s)	89,25	71,35

Hand pump

Version	Art. No.	Pack Qty.	€	€
With PE drainage elbow Feed tubes Ø 12 mm	1AL0.1	1 unit(s)	72,05	57,60

Accessories:

Designation	Art. No.	Pack Qty.	€	€
PE feed tubes Ø 12 mm	1AL1.1	10 unit(s)	34,00	27,10



Solvent pump foot pump

Bürkle. Made of PTFE, Stainless steel 1.4301.

For ultra-pure liquids and highly flammable media.

- Works according to the excess pressure principle
- A barrel screw joint and stopcock allow the container and pump to be hermetically sealed
- Immersion tube can be continuously adjusted to barrel depth

Technical specifications:

Art. No.	CPT5.1	CPT6.1
Delivery rate	20 l/min	
Immersion depth	950 mm	
Anatomically formed	Yes	
Drum	up to 220 l	
Weight	3.5 kg	4.4 kg

Note: The container and the pump must be earthed using the Roth anti-static set (Art. No. 0213.1) during filling of flammable liquids.

Delivery incl. barrel screw joint

Pic.	Version	Thread	Length (mm)	Art. No.	Pack Qty.	€	€
(1)	with discharge elbow	2" steel fine thread	1,485	CPT5.1	1 unit(s)	484,85	387,00
(2)	with drainage hose	2" steel fine thread	1,485	CPT6.1	1 unit(s)	650,40	520,30

Sample scoops SteriPlast® **NEW** **S**

Bürkle. Made of PS. Sterile.

For sampling powders, granulates and pastes.

- Colour white
- Compliant with the EU food directives and FDA guidelines
- Manufactured in a cleanroom (Class 7), individually packed

Without lid

Volume (ml)	Length (mm)	Art. No.	Pack Qty.	€	€
25	141	1ALC.1	10 unit(s)	20,35	14,90
50	160	1ALE.1	10 unit(s)	21,30	15,95
100	205	1ALH.1	10 unit(s)	21,40	16,00
150	216	1ALK.1	10 unit(s)	21,75	16,00
250	232	1ALL.1	10 unit(s)	26,80	20,05
500	280	1ALN.1	10 unit(s)	47,20	35,35
1,000	332	1ALP.1	10 unit(s)	72,90	54,65



Dispensers ROTILABO® II **A 121 °C** Programme extension!

Carl ROTH. Autoclavable: Yes.

- Direct displacing piston with wiping PFA lip seal reduces crystallisation of liquids
- Improved volume adjustment due to internal toothed rack, volumes can be set quickly and precisely
- Valve block rotatable by 360° on the bottle, with GL 45 thread
- Vent valve with safety bulb closes dosing channel if discharge tube is not fitted
- Telescopic intake tube, infinitely adjustable to different bottle heights
- Suitable for calibration in conjunction with measuring instrument inspection according to ISO 9001 and GLP; change to factory calibration is displayed
- Autoclavable at 121 °C (2 bar), according to DIN EN 285, with no need to disassemble
- Marked as DE-M, according to DIN EN ISO 8655-5

Technical specifications:

Art. No.	HAC6.1	HAC7.1	HAC8.1	HAC9.1	HAE0.1	HAE1.1
Nominal volume	2 ml	5 ml	10 ml	25 ml	50 ml	100 ml
Correctness	±10	±25	±50	±125	±250	±500
Variation coefficient	±2	±5	±10	±25	±50	±100
Operating temperature	+15 – +40 °C					
Adapter	GL 25, GL 28/S 28, GL 32, GL 38, S 40			GL 32, GL 38, S 40		
Suction tube length	240 mm			330 mm		

Delivery incl. quality certificate, telescopic intake tube, valve mounting tool and PP thread adapter.

Volume (ml)	Graduation	Art. No.	Pack Qty.	€	€
0,2–2	0,05	HAC6.1	1 unit(s)	275,20	206,40
0,5–5	0,10	HAC7.1	1 unit(s)	275,20	206,40
1–10	0,20	HAC8.1	1 unit(s)	275,20	206,40
2,5–25	0,50	HAC9.1	1 unit(s)	385,95	289,15
5–50	1,0	HAE0.1	1 unit(s)	395,60	296,70
10–100	1,0	HAE1.1	1 unit(s)	592,15	398,80



**-27 %**

Heater and magnetic stirrer MR Hei series

Heidolph.

- Digital display of hot plate target temperature and target speed
- Heating output 800 W
- Hot plate made of silumin with ceramic coating
- **Direct connection facility for PT 100 medium temperature sensor** (please order the desired temperature measuring sensor and the accessories for attaching the measuring probe separately)
- Integrated contact thermometer with full functionality

Technical specifications:

Art. No.	HA10.1	1ATN.1
Type	MR Hei-Tec	Hei-Tec Silver 1 package
Max. stirring capacity (H ₂ O)	20 l	
Speed range	100 to 1400 rpm	
Operating temperature	Ambient temperature to 300 °C	
Control accuracy without sensor	±5 K	
Control accuracy with sensor	±1 K	
Heating output	800 W	
Footprint	Ø 145 mm	
W x D x H, total	173 x 277 x 94 mm	

MR Hei-Tec model

Delivery without temperature gauge
(if required, please order separately).

Type	Art. No.	Pack Qty.	€	€
MR Hei-Tec	HA10.1	1 unit(s)	737,00	515,90

Hei-Tec Silver 1 package

Programme extension!

Delivery incl. Hei-Tec heater and magnetic stirrer, Pt 1000 (V4A) temperature sensor and holder for Pt 1000 (contains supporting rod and holder with cable duct).

Type	Art. No.	Pack Qty.	€	€
Hei-Tec Silver 1 package	1ATN.1	1 unit(s)	898,00	628,60

Accessories for MR Hei-Tec, MR Hei-Connect and MR Hei-End heater and magnetic stirrers

Heidolph.

Pt 1000 temperature measuring sensor made of V4A

Designation	Art. No.	Pack Qty.	€	€
PT 1000 sensor V4A	T041.1	1 unit(s)	128,00	96,00

PT 1000 temperature measuring sensor with glass coating

Designation	Art. No.	Pack Qty.	€	€
Pt 1000 with glass coating	T042.1	1 unit(s)	188,00	141,00

Stand kit

For attaching a single sensor probe.

Delivery incl. M10 stand rod (L 425 mm, Ø 13 mm) and holder with cable terminal strip (L 85 mm)

Designation	Art. No.	Pack Qty.	€	€
Stand kit	ALN8.1	1 unit(s)	117,00	81,90

-35 %

Thermoshaker Matrix Orbital Delta series

NEW

IKA.

Mixes and heats reaction vials and microtiter plates with round/circular motions.

Application:

- TFT display with convenient menu layout
- Automatically performs mixing and heating tasks with pre-programmable ramps with pre-increments each consisting of temperature, speed and time

Technical specifications:

Art. No.	1A2Y.1	1A30.1	1A31.1	1A32.1
Operating temperature	5 °C above room temperature up to +100 °C			
Accuracy	±0.5 °C at 20–45 °C ±1.5 °C >45 °C			
Resolution	1 °C			
Timer	1 s to 100 h (in 1 min increments) or continuous operation			
Shaking frequency	Delta F0,5 + Delta FP: 300-2000 rpm Delta F1,5 + Delta F2,0: 300-1500 rpm			
Shaking amplitude (stroke)	1,5 mm			
W x D x H	220 x 350 x 150 mm			
Mains connection	120–240 V, 50/60 Hz			

Model Delta F0.5

Delivery incl. insert for 24 x 0.5 ml reaction vials.
Block cannot be changed.

Version	Number of interchangeable blocks	Art. No.	Pack Qty.	€	€
Heating	1	1A2Y.1	1 unit(s)	2.299,00	1.494,00

Model Delta F1.5

Delivery incl. insert for 24 x 1.5 ml reaction vials.
Block cannot be changed.

Version	Number of interchangeable blocks	Art. No.	Pack Qty.	€	€
Heating	1	1A30.1	1 unit(s)	2.299,00	1.494,00

Model Delta F2.0

Delivery incl. insert for 24 x 2.0 ml reaction vials.
Block cannot be changed.

Version	Number of interchangeable blocks	Art. No.	Pack Qty.	€	€
Heating	1	1A31.1	1 unit(s)	2.299,00	1.494,00

Model Delta FP

Delivery incl. insert for microtiter plates. Block cannot be changed.

Version	Number of interchangeable blocks	Art. No.	Pack Qty.	€	€
Heating	1	1A32.1	1 unit(s)	2.299,00	1.494,00



-45%

&

Test tube shakers Genie™ Vortex 2 Promotion Kit

NEW

Scientific Industries.

Robust and reliable shaking device for rapid mixing and shaking of samples.

- Intermittent operation (with automatic start, triggered by pressing the attachment) or continuous operation is possible

Promotion Kit

Vortex-Genie®

+ Attachment for 12 centrifuge tubes 15 ml (Ø 17 x L 120 mm)

+ Standard attachment (inner-Ø 25 mm) for reaction vessels, tubes and test tubes

+ Shaking plate (Ø 75 mm) for smaller Erlenmeyers



Technical specifications:

Movement type	Circular, vibrating
Speed	600 - 2700 rpm
W x D x H	122 x 165 x 165 mm
Weight	4 kg
Mains connection	230 V, 50/60 Hz

Art. No.	Pack Qty.	€	€
P505.3	1 set	371,95	204,55



Digital hot plates SD-/CD-150 series

NEW

Stuart.

- Digital display showing the actual temperature
- Safety warning lamp comes on at temperatures above 50 °C

Technical specifications:

Art. No.	1A07.1	1A08.1
Type	SD150W	CD150W
Heating output	700 W	500 W
Temperature range	to 325 °C	to 450 °C
Set temperature up to	325 °C	450 °C
Setting accuracy	±5 K	
Heated zone	150 x 150 mm	120 x 120 mm
Hotplate material	Aluminium	Ceramic
Mains connection	230 V, 50 Hz	

Pic.	Type	Art. No.	Pack Qty.	€	€
(1)	SD150W	1A07.1	1 unit(s)	690,15	483,10
(2)	CD150W	1A08.1	1 unit(s)	735,30	514,70



NEW

Magnetic stirrer Analogue SS151W

Stuart.

- LED light strip to act as a guide for the set speed
- With a stainless steel footprint

Technical specifications:

Max. stirring capacity (H ₂ O)	15 l
Speed range	50 to 1400 rpm
Footprint	150 x 150 mm
Mains connection	230 V, 50 Hz

Art. No.	Pack Qty.	€	€
1A7E.1	1 unit(s)	690,15	483,10



Heater and magnetic stirrer RCT series

Programme extension!

IKA.

- Aluminium hot plate
- Clear display incl. target/actual value display for temperature and speed
- Housing surface made of toughened glass for optimum cleaning and chemical resistance
- **Integrated contact thermometer with full functionality, for direct control of the medium temperature**
- "Sensor in medium" detection
- **Integrated timer function**
- Adjustable automatic reversal of direction of rotation (10 sec to 10 min) and pause time (3 sec to 5 min)
- **Direction of rotation of the magnetic motor can be adjusted by turning to the left or right**

Technical specifications:

Art. No.	HPA5.1	1A33.1
Type	RCT digital	RCT 5 digital
Max. stirring capacity (H ₂ O)	20 l	
Speed range	50 to 1500 rpm	
Operating temperature	Ambient temperature to +310 °C	
Setting accuracy	1 °C	
Control accuracy without sensor	±5 K	
Control accuracy with sensor	±0,5 K	
Heating output	600 W	850 W
Timer function	99 h, 99 min and 59 sec	
Footprint	Ø 135 mm	137 x 137 mm
W x D x H, total	160 x 270 x 85 mm	
Mains connection	220–230 V, 50/60 Hz	

Delivery incl. Pt 1000.60 stainless steel temperature measuring sensor (Ø 3 mm, L 230 mm)

RCT digital

With round footprint made of aluminium. Heat output 600 W.

Art. No.	Pack Qty.	€	€
HPA5.1	1 unit(s)	875,00	612,50

RCT 5 digital

With rectangular base made of white, coated ceramic.

Heat output 850 W.

Art. No.	Pack Qty.	€	€
1A33.1	1 unit(s)	899,00	629,30



-20 %

Heater and magnetic stirrer C-MAG HS 7 complete set

IKA.

C-MAG HS 7 magnetic stirrer with heater:

- Ceramic glass hot plate
- Temperature setting via digital display (LED)
- Bushing for connecting a contact thermometer ETS-D5

ETS-D5 contact thermometers

- Medium temperature control via actual temperature display.
Temperature control with no medium temperature overshoot.

Technical specifications:

Max. stirring capacity (H ₂ O)	10 l
Speed range	100 to 1500 rpm
Temperature range	+50 to +500 °C
Control accuracy	±10 K
Heating output	1000 W
Footprint	180 x 180 mm
W x D x H, total	220 x 330 x 105 mm
Mains connection	230 V, 50/60 Hz

ETS-D5 contact thermometer

Technical specifications:

Measuring/control range	-50 to 450 °C
Resolution	0.1 °C
Setting accuracy	±0.1 K
Control deviation	±0.5 K
Dimensions (W x D x H)	82 x 22 x 83 mm

Delivery incl.

- C-MAG HS 7 heater and magnetic stirrer
- ETS-D5 contact thermometer incl. Pt 1000 stainless steel measuring probe
- Stand rod, holder rod and clamp

Art. No.	Pack Qty.	€	€
LY79.1	1 unit(s)	874,00	699,00





-25 %

Volumetri asks Class A

Hirschmann. Made of DURAN® glass.
Certificate of conformity with batch identification. Calibrated to IN.
DIN EN ISO 1042 certified.

Delivery incl. PE stoppers.

Clear glass
Blue graduations.

Volume (ml)	Tolerance (ml)	Standard ground glass joint	Art. No.	Pack Qty.	€	€
5	±0,025	7/16	Y231.1	2 unit(s)	28,15	21,05
5	±0,040	10/19	Y232.1	2 unit(s)	28,15	21,05
10	±0,025	7/16	C162.1	2 unit(s)	27,45	20,30
10	±0,040	10/19	Y233.1	2 unit(s)	28,15	21,05
20	±0,040	10/19	C163.1	2 unit(s)	27,45	20,30
25	±0,040	10/19	C164.1	2 unit(s)	27,45	20,30
25	±0,060	12/21	Y234.1	2 unit(s)	29,15	21,80
50	±0,060	12/21	C165.1	2 unit(s)	30,35	22,45
50	±0,080	14/23	Y235.1	2 unit(s)	29,50	22,05
100	±0,100	12/21	C166.1	2 unit(s)	31,55	23,50
100	±0,100	14/23	Y236.1	2 unit(s)	30,35	22,45
200	±0,150	14/23	C167.1	2 unit(s)	39,70	29,70
250	±0,150	14/23	C168.1	2 unit(s)	42,95	32,20
500	±0,250	19/26	C169.1	2 unit(s)	50,10	37,55
1,000	±0,400	24/29	C170.1	2 unit(s)	80,20	60,15
1,000	±0,600	29/32	Y237.1	2 unit(s)	96,55	72,40
2,000	±0,600	29/32	C171.1	2 unit(s)	120,40	90,30
5,000	±1,200	34/35	C172.1	1 unit(s)	138,70	104,00



-20 %

Volumetri asks DURAN® Class A, USP<31>

DWK Life Sciences. Made of DURAN® glass, Clear.
With blue graduations and white ring marking. Calibrated to IN.
Compliant with DIN 12 600. USP<31> compliant, conformity certificate
Temperature-stable up to +250 °C without change in volume.

Delivery incl. PE stopper, temperature-stable from -40 to +80 °C.

Volume (ml)	Tolerance (ml)	Standard ground glass joint	Height (mm)	Art. No.	Pack Qty.	€	€
5	±0,02	10/19	70	AHY2.1	2 unit(s)	78,20	62,55
10	±0,02	10/19	90	AHY3.1	2 unit(s)	77,90	62,30
25	±0,03	10/19	110	AHY4.1	2 unit(s)	78,90	62,90
50	±0,05	12/21	140	AHY5.1	2 unit(s)	81,85	65,45
100	±0,08	14/23	170	AHY6.1	2 unit(s)	86,85	69,45
200	±0,10	14/23	210	AHY7.1	2 unit(s)	92,15	73,70
250	±0,12	14/23	220	AHY8.1	2 unit(s)	94,15	75,30
500	±0,15	19/26	260	AHY9.1	2 unit(s)	103,00	82,40
1,000	±0,30	24/26	300	AKA0.2	2 unit(s)	144,00	115,20
2,000	±0,50	29/32	370	AKA1.2	2 unit(s)	179,00	142,90



-25 %

Wide mouth bottle brown glass

DWK Life Sciences. Made of Soda-lime glass According to USP Type III,
Caps made of PP with seals made of PTFE-coated PE foam.
for storing light-sensitive substances.

Volume (ml)	Ø External (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
30	37	65	28-400	ETN1.1	24 unit(s)	34,05	25,45
60	44	75	33-400	ETN2.1	24 unit(s)	39,80	29,80
125	54	95	38-400	ETN3.1	24 unit(s)	47,25	35,40
250	66	119	45-400	ETN4.1	24 unit(s)	60,05	44,95
500	80	146	53-400	ETN5.1	12 unit(s)	41,90	31,35
1,000	99	178	53-400	ETN6.1	12 unit(s)	51,55	38,65



Laboratory stirrers ES

Velp.

- For simple stirring applications
- Clamping range of chuck 1 to 10 mm
- Push-through stirring tool

Technical specifications:

Max. stirring capacity (H ₂ O)	15 l
Max. viscosity	1,000 mPas
Speed range	50 to 1300 rpm
Ø Extension arm	13 mm
W x D x H	80 x 160 x 200 mm
Mains connection	80–260 V, 50/60 Hz

Delivery without stirring tool, stand and boss head, please order separately – see stirrer accessories.

Art. No.	Pack Qty.	€	€
ACP3.1	1 unit(s)	509,10	402,05

-30 %**Melting crucible ROTILABO® medium shape** **A121 °C**

ROTH SELECTION. Made of Porcelain, glazed. Autoclavable: Yes.

Temperature-stable up to +1000 °C.

Volume (ml)	Ø Upper (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
10	30	25	XX79.1	5 unit(s)	11,95	8,30
12	35	28	XX80.1	5 unit(s)	12,85	8,95
20	40	32	XX81.1	5 unit(s)	14,95	10,40
30	45	36	XX82.1	5 unit(s)	15,40	10,75
45	50	40	XX83.1	5 unit(s)	20,55	14,35
80	60	48	XX84.1	5 unit(s)	24,95	17,40
120	70	56	XX85.1	5 unit(s)	32,15	22,45
200	80	62	XX86.1	5 unit(s)	39,45	27,55

Accessories
Lids for melting crucibles**A121 °C**

ROTH SELECTION. Made of Porcelain, glazed.

Autoclavable: Yes.

For porcelain melting crucible Art. No. XX79.1 ff.

Temperature-stable up to +1000 °C.

-30 %

Ø (mm)	Suitable for	Art. No.	Pack Qty.	€	€
34	Crucible Ø 30 mm	XX87.1	5 unit(s)	12,70	8,85
39	Crucible Ø 35 mm	XX88.1	5 unit(s)	13,65	9,50
44	Crucible Ø 40 mm	XX89.1	5 unit(s)	14,85	10,35
49	Crucible Ø 45 mm	XX90.1	5 unit(s)	18,05	12,55
54	Crucible Ø 50 mm	XX91.1	5 unit(s)	18,75	13,05
64	Crucible Ø 60 mm	XX92.1	5 unit(s)	20,40	14,20
74	Crucible Ø 70 mm	XX93.1	5 unit(s)	24,40	17,00
84	Crucible Ø 80 mm	XX94.1	5 unit(s)	25,60	17,90

-25 %**Crystallization dishes ROTILABO®** **A121 °C**

Made of Borosilicate glass 3.3. Autoclavable: Yes.

With spout

Compliant with DIN 12338.

Volume (ml)	Ø External (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
20	40	25	AYE1.1	10 unit(s)	44,45	33,20
40	50	30	AYE2.1	10 unit(s)	46,70	34,95
60	60	35	AYE3.1	10 unit(s)	54,95	41,15
100	70	40	AYE4.1	10 unit(s)	63,10	47,15
150	80	45	AYE5.1	10 unit(s)	88,15	66,10
300	95	55	AYE6.1	10 unit(s)	98,55	73,85
500	115	65	AYE7.1	10 unit(s)	110,75	83,00
900	140	75	AYE8.1	10 unit(s)	139,75	104,80
2,000	190	90	AYE9.1	1 unit(s)	22,55	16,85
3,500	230	100	AYH0.1	1 unit(s)	26,85	20,10

Without spout

Compliant with DIN 12337.

Volume (ml)	Ø External (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
20	40	25	AYH1.1	10 unit(s)	34,80	26,05
40	50	30	AYH2.1	10 unit(s)	35,25	26,35
60	60	35	AYH3.1	10 unit(s)	40,35	29,95
100	70	40	AYH4.1	10 unit(s)	50,65	37,95
150	80	45	AYH5.1	10 unit(s)	81,30	60,95
300	95	55	AYH6.1	10 unit(s)	85,90	64,35
500	115	65	AYH7.1	10 unit(s)	93,85	70,35
900	140	75	AYH8.1	10 unit(s)	125,80	94,30
2,000	190	90	AYH9.1	1 unit(s)	20,40	15,25
3,500	230	100	AYK0.1	1 unit(s)	24,30	18,20

-18 %**Pressurised sprayer Food** **NEW**

Bürkle. Made of PE, PP, Silicone, Stainless steel.

The container of the pressurised sprayer has a transparent viewing window, which makes reading the fill level easy. Rubber-clad standing ring ensures that the sprayer can be put down safely. The integrated safety valve prevents overpressure (max. 3 bar). Adjustable nozzle nut allows users to individually adjust the spray jet, ranging from a fine spray mist to a powerful jet.

Suitable for use in the food sector, for spraying a wide range of media (such as oils, grease and aromatic substances) and for atomising cleaning agents and disinfectants.

- Parts in contact with media: PE, PP, silicone, stainless steel
- Suitable for use with foodstuffs

Volume (ml)	Ø External (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
1,200	117	315	1AA5.1	1 unit(s)	41,40	33,90



-20 %

Small incubator Heratherm® IMC18

Thermo.

- Operating temperature range from 17 to 40 °C
- With Peltier cooling

Technical specifications:

Art. No.	PL74.1	HAP4.1
Type	Standard model – glass front	Darkened front panel
Volume	18 l	
Resolution	1 °C	
Inner (W x D x H)	180 x 310 x 290 mm	
Outer (W x D x H)	260 x 415 x 470 mm	
Temporal temperature variance	±0,2 K	
Spatial temperature deviation	±1,2 K	
Mains connection	100–240 V, 50/60 Hz	

- Interior lighting facilitates sample monitoring
- Fan for air circulation; runs permanently and is not adjustable

Delivery incl. Two removable shelves.

With glass front – standard model

Volume (l)	Art. No.	Pack Qty.	€	€
18	PL74.1	1 unit(s)	714,00	571,00

With darkened front panel – IMC18 bio model

For incubation without the influence of light, cool long-term storage in the dark, light-sensitive micro-organisms and much more.

Volume (l)	Art. No.	Pack Qty.	€	€
18	HAP4.1	1 unit(s)	768,00	614,00

Penetration/infrared thermometer testo 104-IR

- Testo.
- Penetration thermometer combined with an infrared sensor for core and surface temperature measurements.
- Penetration sensor: L 106 mm, can be folded away
 - NTC sensor
 - Two-point laser mark for indicating the actual measurement spot
 - Large LCD display for easy reading of measurement results

Technical specifications:

Infrared measuring range	-30 to +250 °C
Penetration probe measuring range	-50 to +250 °C
Resolution	0,1 °C
Accuracy	Infrared: ±2.5 °C (-30 to -20.1 °C) ±2.0 °C (-20 to -0.1 °C) ±1.0 °C or 1.5% of m.v. (outside) Penetration sensor: ±1 °C (-50 to -30.1 °C) ±0.5 °C (-30 to +99.9 °C) ±1% of m.v. (outside)
Measuring cycle	0.5 s
Measuring distance : measuring spot ratio	10 : 1
Emissivity	0,10–1,00
IP rating	65
Power supply	2 x AAA 1.5 V batteries

Delivery incl. Batteries and calibration protocol.

Art. No.	Pack Qty.	€	€
XK00.1	1 unit(s)	120,40	102,30



Data logger testo 174 mini series

- Testo.
- For monitoring climatic conditions, for example in storage, in offices and in production areas.
- With LCD display for current measured value battery status as well as min/max values
 - Optical limit alarm (freely selectable values)
 - Please download windows-compatible software (logger programming, reading data, graphic and tabular representation, for printing data) free of charge or order separately. USB interface is required for communication between the software and logger.

Technical specifications:

Art. No.	NA06.1	NA07.1
Type	testo 174T	testo 174H
Parameters	Temperature	Temperature, Humidity
Temperature measuring range	-30 to +70 °C	-20 to +70 °C
Temperature accuracy	±0.5 °C	
Rel. humidity measuring range		0 to 100 %
Rel. humidity accuracy		±3% (2–98%)
Resolution	0,1 °C	0,1 °C, 0,1 %
Data memory	16000 measured values	
Measuring cycle	1 min to 24 h	
Port	USB	
IP rating	65	20
Power supply	2 x CR 2032 (3 V) coin cell batteries	

Delivery incl. Wall mount, calibration protocol and batteries. USB interface is not included, please order separately.

Pic.	Type	Art. No.	Pack Qty.	€	€
(1)	testo 174T	NA06.1	1 unit(s)	53,75	43,00
(2)	testo 174H	NA07.1	1 unit(s)	88,15	70,50

Accessories:

Designation	Art. No.	Pack Qty.	€	€
USB interface for programming and reading data from the 174 series mini logger	NA08.1	1 unit(s)	88,15	70,50



Benchtop pH meters pH 50 VioLab

Dostmann.

- Large screen with simultaneous display of pH or mV value and temperature
- Automatic or manual temperature compensation
- Automatic calibration
- Saves the current calibration
- Confirmation when a stable measured value is reached

Technical specifications:

Art. No.	HAE2.1	HAE3.1
Type	pH 50 VioLab Basic	pH 50 VioLab Set
pH measuring range	0 to 14	
pH resolution	0.01 pH	
pH accuracy	±0.01	
Voltage measuring range	-1999 to +1999 mV	
Voltage resolution	1 mV	
Voltage accuracy	±1 mV	
Temperature measuring range	0 to +100 °C	
Temperature resolution	0.1 °C	
Temperature accuracy	±0.5 °C (+5 to +60 °C), ±1 °C (outside)	
Temperature sensor	NTC 30 kΩ	
Calibration points	1/2/3 (pH)	
Calibration memory	Current calibration	
Data memory	25 measurements	
Connection	BNC (pH), Cinch (°C)	
Mains connection	100 – 240 V, 50/60 Hz	

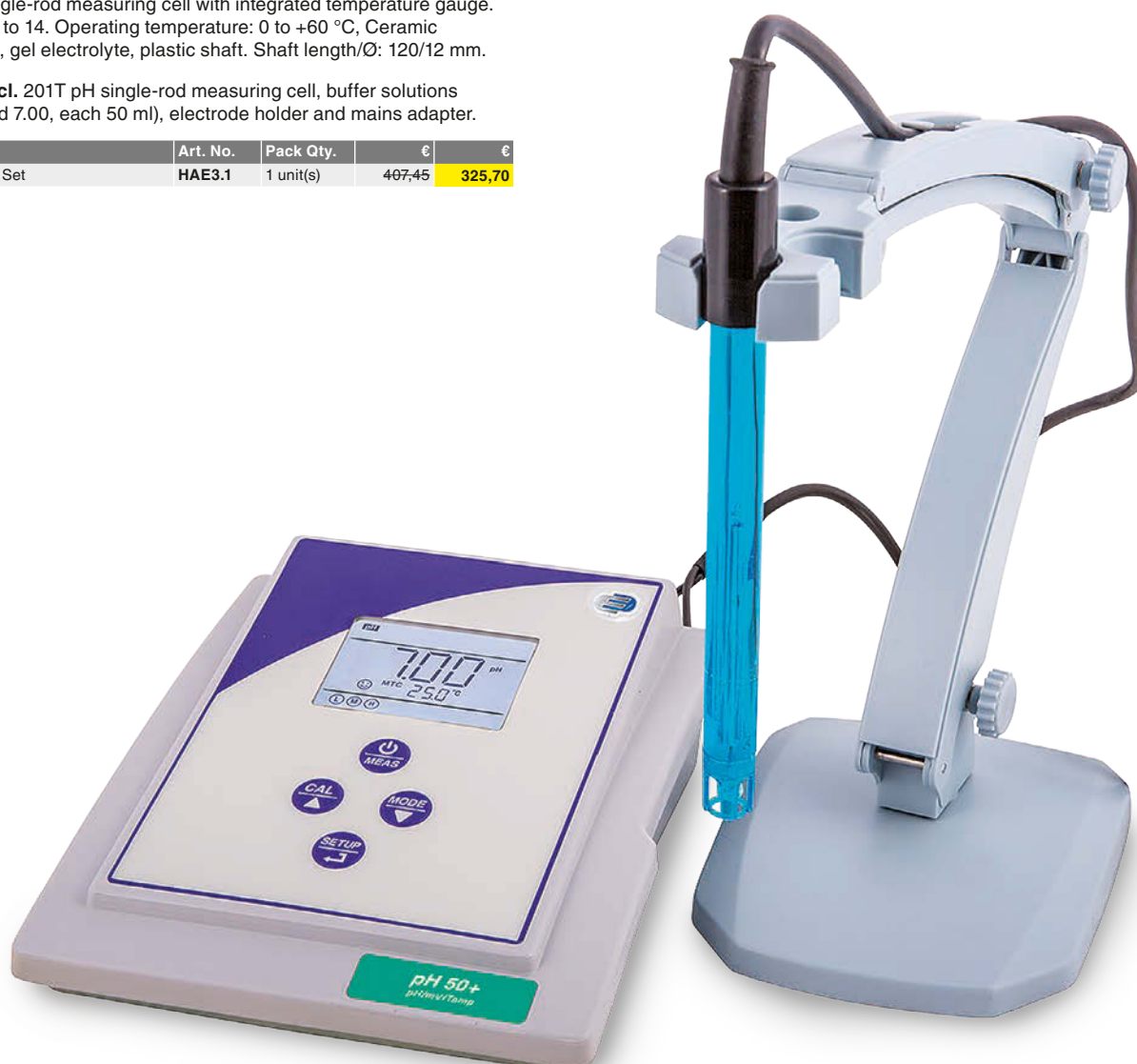
For common aqueous samples.

201T pH single-rod measuring cell with integrated temperature gauge.
pH range: 0 to 14. Operating temperature: 0 to +60 °C, Ceramic diaphragms, gel electrolyte, plastic shaft. Shaft length/Ø: 120/12 mm.

Delivery incl. 201T pH single-rod measuring cell, buffer solutions (pH 4.01 and 7.00, each 50 ml), electrode holder and mains adapter.

Type	Art. No.	Pack Qty.	€	€
pH 50 VioLab Set	HAE3.1	1 unit(s)	407,45	325,70

-20 %





Burette stand NEW

ROTH SELECTION. Made of grey cast iron.
Stainless steel stand rod (18/10), plastic plates.
For fastening 1-2 burettes using burette clamps
(please order separately).

- Stand rod length 600 mm, Ø 10 mm
- Plate Ø 105 mm

Delivery incl. Stand rod and 2 plates (black and white).

Width (mm)	Depth (mm)	Total height (mm)	Weight (kg)	Art. No.	Pack Qty.	€	€
300	130	620	1,975	1C4C.1	1 unit(s)	78,45	54,70



Burette holder

ROTH SELECTION. Made of PP, with rubber grips and steel springs.
Lateral mounting provides for excellent burette readability.

Version	Suitable for	Art. No.	Pack Qty.	€	€
For 1 burette	Stand rod Ø 8–14 mm	PY63.1	1 unit(s)	24,70	17,05
For 2 burettes	Stand rod Ø 8–14 mm	PY64.1	1 unit(s)	31,15	21,75



Holding pliers NEW

Made of Stainless steel (18/10, electrolytically polished).
For evaporating dishes.

Span (mm)	Art. No.	Pack Qty.	€	€
75-100	1C55.1	1 unit(s)	20,20	14,90
100-250	1C56.1	1 unit(s)	20,70	15,45



Double spatulas for mortar NEW

ROTH SELECTION. Made of Stainless steel (18/10).
Solid version.

Total length (mm)	Sheet width (mm)	Sheet length (mm)	Art. No.	Pack Qty.	€	€
150	20	40	1C57.1	1 unit(s)	13,75	10,25
200	20	40	1C58.1	1 unit(s)	15,00	11,20
250	25	60	1C59.1	1 unit(s)	18,55	13,85
300	25	60	1C5A.1	1 unit(s)	21,80	16,00
400	25	60	1C5C.1	1 unit(s)	28,50	21,30



-25 %

H-stand

ROTH SELECTION. Made of Aluminium, base made of grey cast iron.
Support rods 12 Ø mm.

Delivery incl. Base, 3 stand rods 80 cm, 2 stand rods 50 cm and
6 boss heads

Width (mm)	Depth (mm)	Height (mm)	Weight (kg)	Art. No.	Pack Qty.	€	€
500	250	800	6,5	CHH2.1	1 unit(s)	278,45	208,80

Precision balances EWJ series

Kern.

Application:

- Item counting and percentage weighing

Features:

- Time-controlled automatic internal calibration
- Draft shield comprising four side parts (H = 90 mm) for models up to ≤600 g; (W) = including draft shield
- Spirit level

Delivery incl. Protective hood and mains adapter (230 V, 50 Hz).

-25 %



Models cannot be calibrated

Type	Weighing range (g)	Readability (g)	Linearity (g)	Weighing pan (mm)	Art. No.	Pack Qty.	€	€
EWJ 300-3 (W)	300	0,001	±0,003	Ø 80	CHH7.1	1 unit(s)	450,00	337,00
EWJ 600-2M (W)	600	0,01	±0,03	Ø 135	CHH8.1	1 unit(s)	360,00	269,00
EWJ 3000-2	3000	0,01	±0,03	Ø 135	CHH9.1	1 unit(s)	430,00	319,00
EWJ 6000-1M	6000	0,1	±0,3	155 x 145	CHK0.1	1 unit(s)	350,00	259,00

Precision balances Scout™ SKX series

Ohaus.

- With external calibration
- Draft shield for models with 0.001 g readability (internal height 45 mm); (W) = incl. draft shield
- Application: Determining density
- Background-lit LCD display

Delivery incl. M1 test weight included in models up to 620 g and mains adapter.

-25 %



Type	Weighing range (g)	Readability (g)	Linearity (g)	Weighing pan (mm)	Art. No.	Pack Qty.	€	€
SKX123 (W)	120	0,001	±0,003	Ø 93	EHE8.1	1 unit(s)	395,00	296,00
SKX222	220	0,01	±0,01	Ø 120	EHE9.1	1 unit(s)	289,00	215,00
SKX422	420	0,01	±0,01	Ø 120	EHH0.1	1 unit(s)	345,00	258,00
SKX622	620	0,01	±0,02	Ø 120	EHH1.1	1 unit(s)	375,00	279,00
SKX1202	1200	0,01	±0,03	170 x 140	EHH2.1	1 unit(s)	440,00	329,00
SKX2202	2200	0,01	±0,03	170 x 140	EHH3.1	1 unit(s)	470,00	349,00
SKX421	420	0,1	±0,1	Ø 120	EHH4.1	1 unit(s)	169,00	126,00
SKX621	620	0,1	±0,1	170 x 140	EHH5.1	1 unit(s)	189,00	141,00
SKX2201	2200	0,1	±0,1	170 x 140	EHH6.1	1 unit(s)	285,00	213,00
SKX6201	6200	0,1	±0,2	170 x 140	EHH7.1	1 unit(s)	385,00	288,00
SKX8200	8200	1	±1	170 x 140	EHH8.1	1 unit(s)	215,00	160,00



-25 %

Analytical balances ADB/ADJ series

Programme extension!

Kern.

Application:

Item counting and percentage weighing

Features:

- ADB series with external calibration function
- ADJ series with internal automatic calibration, either after a change of temperature $\geq 2^\circ\text{C}$ or time-controlled
- Stainless steel weighing platform
- Weighing space dimensions: W 170 x D 160 x H 205 mm

Delivery incl. Mains adapter.

Analytical balances ADB series with external calibration function

Type	Weighing range (g)	Readability (g)	Linearity (g)	Weighing pan (mm)	Art. No.	Pack Qty.	€	€
ADB 100-4 (W)	120	0.0001	$\pm 0,0004$	$\varnothing 90$	HPP9.1	1 unit(s)	620,00	465,00
ADB 200-4 (W)	210	0.0001	$\pm 0,0004$	$\varnothing 90$	HPT0.1	1 unit(s)	640,00	479,00

Analytical balances ADJ series with internal automatic calibration

NEW

Type	Weighing range (g)	Readability (g)	Linearity (g)	Weighing pan (mm)	Art. No.	Pack Qty.	€	€
ADJ 100-4 (W)	120	0.0001	$\pm 0,0004$	$\varnothing 90$	KHE3.1	1 unit(s)	750,00	559,00
ADJ 200-4 (W)	210	0.0001	$\pm 0,0004$	$\varnothing 90$	KHE4.1	1 unit(s)	790,00	589,00

-20 %**Wide-neck jar Packo** **NEW**

CurTec. Made of HDPE.

White jars, smooth inside, with dark red screw cap and semi-transparent stopper. Screw cap can be easily opened and closed with a quarter turn. For storing and dispatching solids and pastes.

- With UN approval (1H2) for solids
- Compliant with food regulations
- Resistant to steam
- With tamper-evident cap

Volume (ml)	Ø External (mm)	Ø Internal (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
300	99	96.8	55.4	1A5K.1	10 unit(s)	24,65	19,65
500	99	96.8	82.4	1A5L.1	10 unit(s)	26,05	20,80
650	99	96.8	104.4	1A5N.1	10 unit(s)	27,45	21,90
1,000	99	96.8	157.4	1A5P.1	10 unit(s)	28,40	22,45
1,300	99	96.8	197.4	1A5T.1	10 unit(s)	34,85	27,80

**-20 %****Containers Click pack with UN approval** **NEW**

CurTec. Made of HDPE.

Container can be nested, white, smooth inside, with handles. Dark blue screw cap with rubber seal can be easily opened and closed with a quarter turn. For storing and dispatching solids and pastes.

- With UN approval (1H2) for solids
- Compliant with food regulations
- Resistant to steam
- Stackable
- With sealing eyelets on the screw cap and handles
- Maximum filling temperature is 70 °C
- Its contents must be cooled to 30 °C before the container can be closed and stacked

Delivery without Screw cap, please order separately.

UN-Y approval

Volume (l)	Ø External (mm)	Ø Internal (mm)	Total height (mm)	Art. No.	Pack Qty.	€	€
10	318	288	210	1A62.1	1 unit(s)	9,90	7,90
15	318	288	278	1A63.1	1 unit(s)	11,00	8,75
20	318	288	361	1A64.1	1 unit(s)	14,65	11,65

UN-X approval

Volume (l)	Ø External (mm)	Ø Internal (mm)	Height (mm)	Art. No.	Pack Qty.	€	€
15	333	295	297	1A65.1	1 unit(s)	13,35	10,60
20	333	295	377	1A66.1	1 unit(s)	16,90	13,45

Accessories for click pack container with UN approval **-20 %**

CurTec. Made of HDPE Seal: TPE.

Dark blue screw cap with white inner seal. Fits click pack container with UN approval. The container can be opened and closed with a quarter turn. The lid is sealed when it passes the safety button. This is confirmed by a click. The container can be opened again by pressing the safety button and turning the container again.

Suitable for	Art. No.	Pack Qty.	€	€
Art. No. 1A62.1, 1A63.1, 1A64.1	1AN2.1	1 unit(s)	6,25	4,95
Art. No. 1A65.1, 1A66.1	1AN3.1	1 unit(s)	9,25	7,35

**Extremely wide-neck barrel** **NEW**

CurTec. Made of HPPE, Screw cap closure with EPDM seal.

Barrels with extra large filling opening. With handles made of black HDPE. For storing and dispatching solids and pastes.

- With UN approval (1H2) for solids
- Compliant with food regulations
- Resistant to steam
- With sealing eyelets on the screw cap closure and handles
- Stackable

-20 %**Barrel, white with a red screw cap**

Vol. (l)	Ø External (mm)	Ø Inner neck (mm)	Height (mm)	UN approval	Art. No.	Pack Qty.	€	€
26	338	295	358	1H2/X38/S	1A34.1	1 unit(s)	64,40	51,45
34	338	295	449	1H2/X48/S	1A35.1	1 unit(s)	70,75	56,55

Barrel, brown with a beige screw cap

Vol. (l)	Ø External (mm)	Ø Inner neck (mm)	Height (mm)	UN approval	Art. No.	Pack Qty.	€	€
55	410	354	495	1H2/X69/S	1A36.1	1 unit(s)	95,70	76,50



-25 %

Vacuum Filtration unit 47 mm

A121 °C



DWK Life Sciences. Made of Borosilicate glass acc. to ASTM E 438 Type I, Class A. Autoclavable: Yes.

For filtration of volumes up to approx. 1 l, in microbiology or particle analyses. Filter Ø of 47 mm.

Delivery incl. 300 ml funnel attachment, funnel bottom section with glass filter (porosity: 40-60 µm), aluminium bracket and silicone stopper. **Delivery without** suction bottle, please order separately.

Type	Suitable for	Art. No.	Pack Qty.	€	€
47 mm Filtration unit	Filter Ø: 47 mm	EYA7.1	1 unit(s)	208,55	156,40

Accessories:

Designation	Art. No.	Pack Qty.	€	€
100 ml funnel attachment	EYA8.1	1 unit(s)	72,90	54,65
500 ml funnel attachment	EYC0.1	1 unit(s)	90,00	67,45
1000 ml funnel attachment	EYC1.1	1 unit(s)	100,25	75,10
1000 ml suction bottles with vacuum connection (Ø: 6 mm)	EYC5.1	1 unit(s)	93,30	69,75
2000 ml suction bottles with vacuum connection (Ø: 6 mm)	EYC6.1	1 unit(s)	138,70	104,00

Membrane Filters Nitrocellulose

A121 °C

Made of Cellulose nitrate. Autoclavable: Yes.

Hydrophilic. High flow rates. Biologically inert, non-cytotoxic. Maximum usage temperature 180 °C. Protein binding approx. 160 µg/cm².

Wide range of applications: gravimetric analysis, particulate analysis, microbiological analysis, sterile filtration of aqueous solutions.

Danger H228

0.22 µm, Ø 47 mm

Pore size (µm)	Ø (mm)	Sterility	Grid	Art. No.	Pack Qty.	€	€
0,22	47	Non-sterile	No	A009.1	100 unit(s)	99,65	74,70

0.45 µm, Ø 47 mm

Pore size (µm)	Ø (mm)	Sterility	Grid	Art. No.	Pack Qty.	€	€
0,45	47	Non-sterile	No	A012.1	100 unit(s)	96,65	72,45



-25 %

0.45 µm, Ø 47 mm, sterile with grid
Individually packed.

Pore size (µm)	Ø (mm)	Sterility	Grid	Art. No.	Pack Qty.	€	€
0,45	47	Sterile	Yes	A023.1	200 unit(s)	94,85	70,80

1.2 µm, Ø 47 mm

Pore size (µm)	Ø (mm)	Sterility	Grid	Art. No.	Pack Qty.	€	€
1,20	47	Non-sterile	No	A021.1	100 unit(s)	105,00	78,65

-25 %



Sample vials ROTILABO®

ROTH SELECTION. Made of Borosilicate glass from hydrolytic class I.
Screw top vials with flat base.

Delivery without caps, please order caps separately.

Version	Volume (ml)	Nominal volume (ml)	Ø (mm)	Ø Inner neck (mm)	Height (mm)	Thread	Art. No.	Pack Qty.	€	€
Clear glass	5	8	17	9.5	61	ND 15	XC37.1	100 unit(s)	29,60	22,15
Brown glass	5	8	17	9.5	61	ND 15	XC38.1	100 unit(s)	32,05	24,00
Clear glass	10	12	19	9.5	66	ND 15	XC39.1	100 unit(s)	30,75	23,05
Brown glass	10	12	19	9.5	66	ND 15	XC40.1	100 unit(s)	32,90	24,65
Clear glass	15	16	21	11.5	71	ND 18	XC41.1	100 unit(s)	35,30	26,45
Clear glass	20	20	23	13.5	86	ND 20	XC42.1	100 unit(s)	39,10	29,25

-25 %



Accessories for sample vials ROTILABO®

ROTH SELECTION. Made of PP.
Screw caps with sealing pad, closed. Suitable for sample vials Art. No. XC37.1 ff with corresponding thread.
Black colour, Art. No. XC46.1 white.

Septum material	Thread	Art. No.	Pack Qty.	€	€
Natural rubber orange red / TEF transparent	ND 15	XC43.1	100 unit(s)	23,95	17,90
Butyl red / PTFE grey	ND 15	XC44.1	100 unit(s)	25,50	19,05
Butyl red / PTFE grey	ND 18	XC45.1	100 unit(s)	34,80	26,05
Butyl red / PTFE grey	ND 20	XC46.1	100 unit(s)	35,30	26,45

-25 %



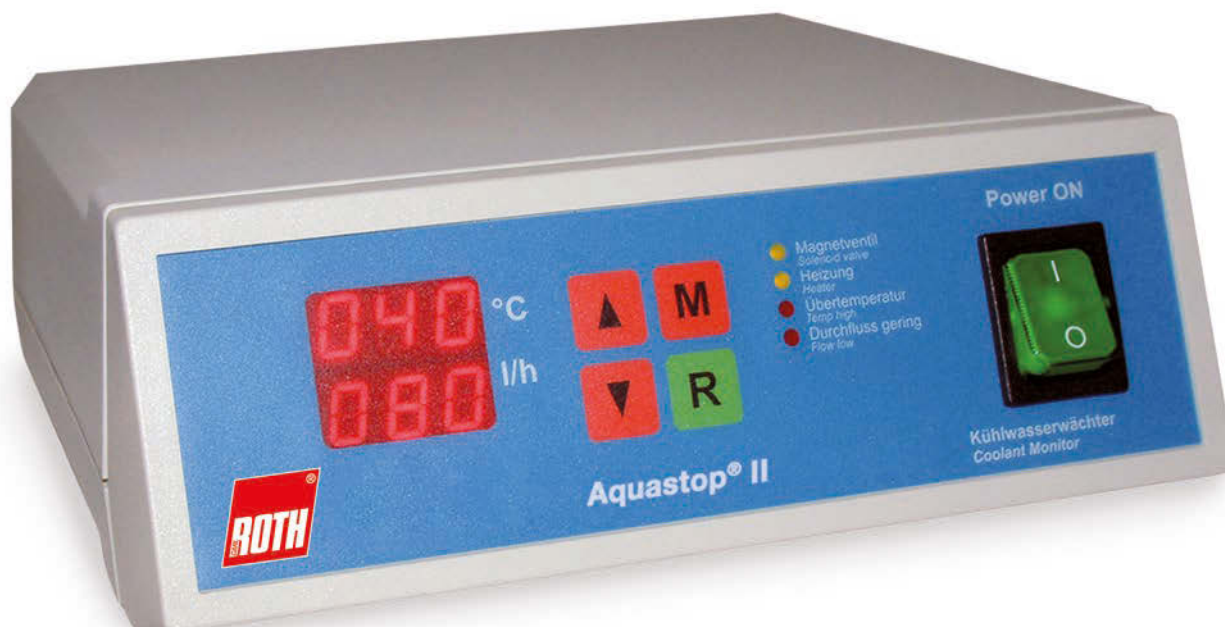
Sample stands ROTILABO®

ROTH SELECTION. Made of PMMA (Acrylic), transparent.
With silicon feet for stability and stackability.

For ND18, ND20 autosampler vials (up to 20 ml)

- Compartment size (hole): Ø 24

No. of slots	Arrangement of slots	L x W x H (mm)	Art. No.	Pack Qty.	€	€
25	5 x 5	160 x 160 x 30	TY98.1	1 unit(s)	90,95	68,20



-25 %

AQUASTOP® II laboratory cooling water monitor II

ROTH SELECTION.

For monitoring cooling water flow and temperature in the laboratory. For installation in apparatus that runs without permanent supervision. Power supply and water supply are cut off in case of irregularities or when the preset temperature limit is exceeded.

Application:

- If the flow rate drops below the preset minimum level, the solenoid valve shuts off the coolant supply and connected electrical device (e.g. heating mantle) is de-energised.
- If the maximum temperature is exceeded, the solenoid valve stays open, the apparatus continues to be cooled and the electrical device is de-energised.

The temperature at the coolant outlet is recorded by the internal NTC sensor integrated in the flow sensor. As an option, an external Pt 100 temperature sensor which automatically deactivates the internal sensor can be installed in a freely selectable position on the test set-up (if required, please order separately).

Features:

- 2-line LED display for simultaneous display of flow rate and temperature
- LED for switching status and alarm indication
- Freely selectable alarm limits
- Acoustic pre-alarm alerts user before final deactivation
- With Schuko socket on the back

Technical specifications:

Solenoid valve	Connection to tap: 3/4" IG, Connection to apparatus: 3/4" AG or hose connector Ø 10 mm
Flow measuring range	2 – 99 l/h
Temperature measuring range, internal	0 to 80 °C
External temperature measuring range	0 to 250 °C
Setting accuracy	±1 l/h, ±1 °C
Mains connection	230 V, 50 Hz

Delivery incl. solenoid valve flow sensor with internal NTC sensor and hose connector (for hose internal Ø 10 mm).

Type	Art. No.	Pack Qty.	€	€
AQUASTOP® II	CKY2.1	1 unit(s)	1.353,45	1.014,80

Temperature gauge Pt100 for AQUASTOP® II

ROTH SELECTION. Made of Stainless steel 1.4571.

External temperature gauge Pt 100 with LEMO connector.

Technical specifications:

Temperature measuring range	0 to +250 °C
Temperature sensor	Pt100
Connection	LEMO
Ø x L	4 x 200 mm

Delivery incl. connection cable (length: 2 m).

Temperature measuring range (°C)	Art. No.	Pack Qty.	€	€
0 to +250	CKY3.1	1 unit(s)	137,60	103,20

Microscope camera Moticam S series

NEW

Motic.

For diverse applications in day-to-day microscopic work in which data processing is carried out directly on the PC.

- Can be mounted via C-mount connection
- New sCMOS technology for high frame rates and optimal image quality; maximum sensitivity for applications with low light output
- Faster data reading for recording rapid phenomena via USB 3.1 gen.1 connection; USB 2.0 compatibility for older computers ensured
- Supported operating systems: Windows XP and later versions, Apple Mac OSX and Linux
- Software functions: Still image and video, live and still image measurements, image enhancement, white balance, automatic and manual exposure time, individual calibration



-20 %

Technical specifications:

Art. No.	1C35.1	1C36.1	1C37.1	1C38.1	1C39.1
Type	Moticam S1	Moticam S3	Moticam S6	Moticam S12	Moticam Pro S5 Lite
Sensor type	sCMOS				
Sensor format	1/3"	1/2.8"	1/1.8"	1/1.7"	2/3"
Number of pixels	1.2 (MP)	3 (MP)	6 (MP)	12 (MP)	5 (MP)
Pixel Size	3.75 x 3.75 µm	2.5 x 2.5 µm	2.4 x 2.4 µm	1.85 x 1.85 µm	3.45 x 3.45 µm
Resolution	1280 x 960 pixels (live image display)	2048 x 1536 pixels (live image display)	3072 x 2048 pixels (live image display)	4000 x 3000 pixels (live image display)	2448 x 2048 pixels (live image display)
Images per second	1280 x 960 @ 120 fps, 640 x 480 @ 240 fps	2048 x 1536 @ 60 fps, 1920 x 1080 @ 60 fps	3072 x 2048 @ 30 fps, 1536 x 1024 @ 50 fps	4000 x 3000 @ 25 fps, 2048 x 1080 @ 50 fps	2448 x 2048 @ 37.5 fps, 1224 x 1024 @ 88.4 fps
Application	Bright-field, dark-field, polarisation				Bright-field, dark-field, polarisation, fluorescence
Port	USB 3.1				

Delivery incl. CS ring, USB 3.1 cable, Motic 4-point calibration, Motic Images Plus 3.0 software

Type	Art. No.	Pack Qty.	€	€
Moticam S1	1C35.1	1 unit(s)	413,90	331,10
Moticam S3	1C36.1	1 unit(s)	519,25	414,95
Moticam S6	1C37.1	1 unit(s)	651,45	520,30
Moticam S12	1C38.1	1 unit(s)	866,45	692,30
Moticam Pro S5 Lite	1C39.1	1 unit(s)	1.020,20	815,90

Transmitted light microscope B3 Professional series

Motic.

Bright-field microscope for analysing high-contrast, stained samples.

Technical specifications:

Art. No.	CH56.1	CH57.1
Type	B3-220ASC	B3-223ASC
Tube	Binocular	Trinocular
Total magnification	40x, 100x, 400x, 1000x	
Ocular magnification	Wide-field 10x	
Lens arrangement	5x, inclined backward, with four achromatic super contrast lenses	
Lens magnification	- 4x/N.A. 0.10, W.D. 17.0 mm - 10x/N.A. 0.25, W.D. 6.4 mm - 40x (spring)/N.A. 0.65, W.D. 0.45 mm - 100x (spring, oil)/N.A. 1.25, W.D. 0.14 mm	
Field of view	20 mm	
Dioptre compensation	±5 dpt on the left ocular tube	
Angular observation	30°	
Head	Can be rotated 360°	
Distance between eyepieces	55–75 mm	
Condenser	Focusable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder	
Köhler illumination	Yes	
Light source	Halogen	
Image focusing	Coaxial coarse and fine focus	
Optics	Infinity	
Microscope stage	140 x 135 mm, height-adjustable coaxial x/y travel range of 78 x 50 mm	
Mains connection	100 – 240 V, 50 Hz	

Delivery incl. Colour filter set (blue, yellow, green), immersion oil and dust cover.

Accessories:

Designation	Art. No.	Pack Qty.	€	€
0.5x C-mount adapter for 1/2" chip sensors	PC98.1	1 unit(s)	96,75	74,80



-20 %

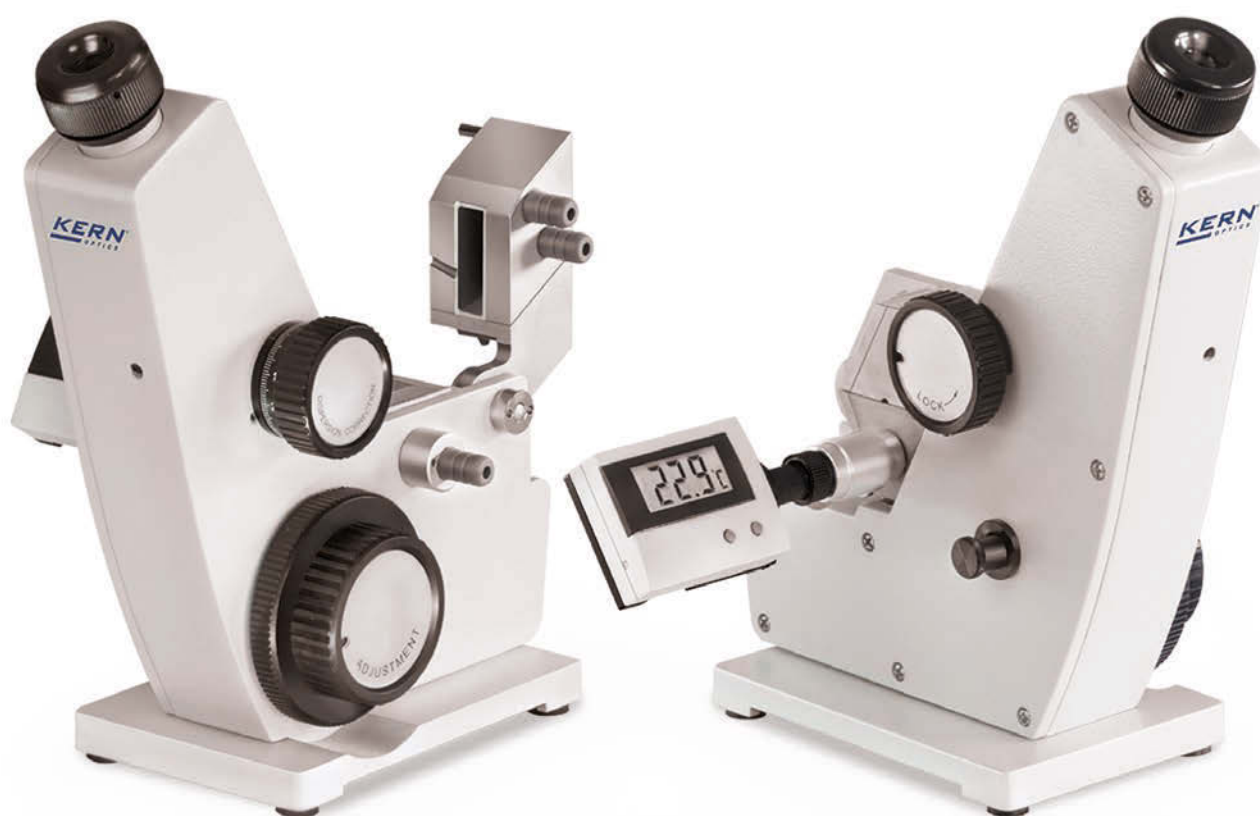
B3-220ASC binocular

Type	Art. No.	Pack Qty.	€	€
B3-220ASC	CH56.1	1 unit(s)	809,92	643,90

B3-223ASC trinocular

With trinocular head for mounting a microscope camera on the phototube using C-mount adapter. Please order C-mount adapter separately.

Type	Art. No.	Pack Qty.	€	€
B3-223ASC	CH57.1	1 unit(s)	968,57	764,30



-24%

Abbe refractometer ORT 1RS

Kern.

For determining the refraction index of transparent liquids, solids and paste-like samples. Usage: Laboratory/industry/pharmaceuticals.

- Easy-to-use, rugged design
- Eyepiece with dioptre adjustment
- Scale refers to +20 °C
- Includes thermometer for reading the measuring temperature
- Calibrated with distilled water or calibration block and special contact fluid
- Can be connected to a water circulation system for temperature control of measurement prism and illumination prism (outer diameter of connecting piece: 9.5 mm)

Delivery incl. Thermometer (incl. battery), calibration block and contact fluid.

Type	Scale/measuring range	Resolution	Accuracy	Temperature compensation	Art. No.	Pack Qty.	€	€
ORT 1RS	Brix/0–95%, Refractive index/1.3000–1.7000 nD	0.25%, 0.0005 nD	±0.1% Brix, ±0.0002 nD	No	ECK5.1	1 unit(s)	690,00	521,00

Mailing bags docuCARE® med

NEW

ROTH SELECTION. Made of LDPE.

Liquid-tight sample bags for safe and secure transport of medical samples, laboratory samples or cytostatic agents. Suitable as secondary packaging for transporting biological substances of Category B (UN 3373) according to ADR and packaging instruction P650.

Blue security seal with hidden "ILLEGAL ENTRY" lettering in multiple languages (currently "ISEGA"), width 45 mm.

- Straightforward handling thanks to tamper-proof self-adhesive seal
- Liquid-tight (confirmed by BAM)
- Highly tearproof film, recyclable, transparent
- Durable duplex seam, with microprint
- Printed with the UN 3373 number / Biological materials, category B
- Serial numbering and barcodes

Suitable absorbent nonwoven sheet for use as an absorption material available as an option.



Version	Inner width (mm)	Inner height (mm)	Art. No.	Pack Qty.	€	€
A4 format	215	350	1C80.1	500 unit(s)	127,95	95,90
A5 format	155	255	1C7Y.1	500 unit(s)	95,70	71,75

-30 %



Petri dishes with vents

NEW

Sarstedt. Made of PS.

Coloured Petri dishes for various coding possibilities and to provide a better contrast. The vents enable improved gas exchange.

Technical specifications:

Art. No.	1A0P.1	1A0T.1	1A0X.1	1A0Y.1
Ø Outer upper	92 mm			
Height with lid	16.4 mm			

Volume (ml)	Colour	Pack.	Art. No.	Pack Qty.	€	€
80	red	24 x 20	1A0P.1	480 unit(s)	56,95	39,65
80	yellow	24 x 20	1A0T.1	480 unit(s)	56,95	39,65
80	blue	24 x 20	1A0X.1	480 unit(s)	56,95	39,65
80	green	24 x 20	1A0Y.1	480 unit(s)	56,95	39,65

Laboratory markers

edding.

Suitable for precise, precise labelling of smooth and transparent surfaces, such as slides, reaction vials, Petri and laboratory dishes.

- Round tip
- Extremely fast-drying, abrasion-resistant, waterproof, light-resistant and odourless tint
- Permanent on plastic
- Removable from glass with acetone, ethanol, isopropanol

Type	Line width (mm)	Art. No.	Pack Qty.	€	€
8014	1	HPE1.1	10 unit(s)	26,15	19,55
8015F	0,75	HPE2.1	10 unit(s)	26,15	19,55

-25 %





Work light MAULwork

NEW

MAUL.

Powerful lights with high luminosity. Ideal for laboratories, workshops and engineering offices.

- Intensely dimmable
- With segmented lighting (42 LEDs at the front, 42 LEDs at the rear or all 84 LEDs)
- Colour temperature: Daylight white
- Freely adjustable lamp head
- Button on the lamp head makes it easy to switch on and off
- Robust metal arm, rotatable through 360°
- Arm length: Bottom 390 mm, top 440 mm
- Height in normal working position 500 mm
- Clamp base for clamping widths of up to 63 mm

Technical specifications:

Light source	LED
Service life	20,000 hours
Performance	21 W
Energy efficiency class	A
Luminosity	3,120 lx
Luminous flux	1,180 lm
Colour temperature	6500 K
Arm length	830 mm
Cable length	1.50 m
Mains connection	230 V, 50 Hz

Light contains integrated LEDs which cannot be changed.

Delivery incl. bulb.

Colour	Art. No.	Pack Qty.	€	€
white	KLT8.1	1 unit(s)	209,65	157,20



Magnifier lamp LL6 UV

NEW

Starlight Opto-Electronics.

LED magnifier light for daily use in business and industry.

- Glass lens
- Intensely dimmable
- Can be switched between pure white and UV
- Robust, easily attachable hinged arm
- All-metal design for the most demanding conditions, can be disinfected
- Flicker-free light thanks to optimised, low-loss electronics
- Very powerful and uniform illumination
- Arm length: Bottom 450 mm, top 400 mm
- Clamp base for clamping widths of up to 50 mm

Technical specifications:

Magnification	3x
Stand length	850 mm
Dioptries	6 dpt
Field of view	Ø 120 mm
Light source	LED
Service life	50,000 hours
Performance	20 W
Colour temperature	6000 K
Wavelength	365 nm
Cable length	1.5 m
Mains connection	120–240 V, 50/60 Hz

Light contains integrated LEDs which can only be changed at the factory.

Delivery incl. protective hood.

Colour	Art. No.	Pack Qty.	€	€
grey	KLX3.1	1 unit(s)	769,70	577,25

Precision illuminated magnifying glass

Eschenbach. Made of PXM®.

With removable measuring scale. 10-times magnification, (38 dpt) thanks to the aspherical PXM® lightweight lens. The measuring scale is divided in intervals of 0.5 mm and 1/64 inch.

Technical specifications:

Magnification	10x
Dioptries	38 dpt
Field of view	Ø 35 mm
Power supply	2 x 1.5 V Baby C batteries



Delivery without batteries, please order separately.

Magnification	Art. No.	Pack Qty.	€	€
10x	H568.1	1 unit(s)	85,50	64,05

Accessories:

Designation	Art. No.	Pack Qty.	€	€
Baby C 1.5 V battery	1023.2	2 unit(s)	4,95	3,70

-30 %



Transport container

ROTH SELECTION. Made of PP.

With spacious compartment for storing small parts and carrying tray.

- Lid and removable carrying tray each with push handle
- Hinges with galvanised metal axles
- Eyelet for attachment of a padlock

Volume (l)	L x W x H, external (mm)	Art. No.	Pack Qty.	€	€
9	410 x 225 x 185	EPL4.1	1 unit(s)	25,05	17,50
15	485 x 260 x 230	EPL5.1	1 unit(s)	29,60	20,65

-30 %



Storage system for embedding cassettes

NEW

ROTH SELECTION. Made of Cardboard.

Archiving system with five drawers for retaining and storing approx. 1400 embedding cassettes. Delivery unassembled, easy assembly by folding together and interlocking.

L x W x H (mm)	Art. No.	Pack Qty.	€	€
247 x 340 x 302	1A0N.1	1 unit(s)	31,10	21,70

-25 %



Micro scissors

ROTH SELECTION. Made of Stainless steel (material 1.4021).

Type	Length (mm)	Length of cut (mm)	Art. No.	Pack Qty.	€	€
pointed/pointed	120	15	EPA0.1	1 unit(s)	26,85	20,10



-30 %

Stools Comfort model

ROTH SELECTION.

- Continuously variable seat height adjustment
- Safety gas spring for quick seat height adjustment
- LGA approved
- Max. load: 120 kg

PU foam

Made of PU, (Seat), Plastic base.

Form	Version	Colour	Seat height (mm)	Art. No.	Pack Qty.	€	€
standard	Glides	black	440 to 630	Y706.1	1 unit(s)	106,45	74,50

Beech

Made of Wood, (Seat), Plastic base.

Form	Version	Colour	Seat height (mm)	Art. No.	Pack Qty.	€	€
Release ring	Glides	natural	440 to 630	Y707.1	1 unit(s)	106,45	74,50



-15%

Shelf trolley with tray shelves

NEW

ROTH SELECTION. Made of Stainless steel, Stainless steel wheel housing, solid rubber rollers, plastic grip.

Tray depth 40 mm. Roller Ø 160 mm, 2 steering rollers and 2 fixed rollers, steering rollers with brake.

Technical specifications:

Art. No.	1C3L.1	1C3N.1
Length	940 mm	
Width	500 mm	
Height	915 mm	
Floor clearance	653 mm	312 mm
Load-bearing capacity	250 kg	350 kg

Number of bases	Platform (mm)	Art. No.	Pack Qty.	€	€
2	900 x 500	1C3L.1	1 unit(s)	1.005,15	853,55
3	900 x 500	1C3N.1	1 unit(s)	1.128,75	958,90



-25%

Shelf trolley CLAX®

ROTH SELECTION. Made of Aluminium, Plastic.

Foldable. Stable hard rubber, also with footbrake for safe loading and unloading. Folding box on top transport door can be fixed using securing straps. Transport door folds up easily to accommodate bulky objects. Can be built up and dismantled in a matter of seconds simply by pressing one button.

Dimensions when folded up: L 670 x W 470 x H 170 mm.

Load-bearing capacity of top shelf 20 kg, bottom shelf 40 kg.

Technical specifications:

Length	890 mm
Width	550 mm
Height	1,030 mm
Load-bearing capacity	60 kg
Weight	8,5 kg

Delivery incl. CLAX® transport box

Number of bases	Colour	Art. No.	Pack Qty.	€	€
2	grey	HNX7.1	1 unit(s)	203,20	152,35



-25%

Transport box CLAX®

ROTH SELECTION. Made of Plastic.

Foldable.

Volume (l)	L x W x H, external (mm)	Load-bearing capacity (kg)	Art. No.	Pack Qty.	€	€
46	530 x 370 x 270	30	HNX8.1	1 unit(s)	21,00	15,70



-30%

Shelf trolley

ROTH SELECTION. Made of stainless steel 18/10.

With welded-in shelves, load-bearing capacity per shelf 40 kg. Four castors with wall detectors, including two with wheel brakes. Anti-static tyres.

Technical specifications:

Length	895 mm
Width	595 mm
Height	949 mm
Floor clearance	591 mm

Number of bases	Platform (mm)	Art. No.	Pack Qty.	€	€
2	800 x 500	0033.1	1 unit(s)	367,65	256,90


-15%

Universal cleaner MucasoI®

NEW

Schülke & Mayr.

Liquid, alkaline high-performance concentrate for manual cleaning for the immersion and ultrasonic bath and suitable for cleaning by wiping. Effectively removes blood, protein, oil, grease, silicone, tar, wax, tap grease, resin and distillation residues. Multi-purpose quick cleaner for laboratory equipment and instruments made of glass, porcelain, plastic, rubber and metal.

- Chlorine- and caustic alkali-free
- Concentrate pH value: Approx. 12.3
- Density: Approx. 1,43 g/cm³

Working concentration

In an ultrasonic bath: 0.2–2%, in an immersion bath: 0.7–3%.

Directions for use

Exposure time: 10–30 min. Longer exposure times should be avoided on surfaces made of zinc and non-anodised aluminium.

An optimised cleaning result is achieved by heating the working solution. To avoid protein denaturation, select a temperature of < 45 °C. After cleaning, rinse the objects thoroughly with deionised water to completely remove cleaning solution residues.

Technical specifications:

Art. No.	1A3L.1	1A3L.2
Intended purpose	For manual cleaning, for ultrasonic baths, for automatic cleaning in immersion bath	
Delivery form	Concentrated liquid	
pH range	Alkaline	
Ingredients	> 30% phosphates, <5% anionic surfactants, < 5% amphoteric surfactants	
Free from chlorine	Yes	
Phosphate-free	No	
Free from tensides	No	
CE marking	Yes	
Dosing	One litre of a 2% working solution is equal to 980 ml of water and 20 ml of MucasoI®.	

Danger H290-H318

Type	Packaging type	Art. No.	Pack Qty.	€	€
MucasoI®	Bottle	1A3L.1	2 l	74,75	63,45
MucasoI®	Canister	1A3L.2	5 l	199,70	117,85


-20%

Disposable wipes WYPALL® L10 EXTRA +

NEW

Kimberly-Clark. Made of Cellulose.

Made of 100% recycled cellulose, 1-ply. Special AIRFLEX® texture for higher absorption capacity. Highly absorbent, for water and oil. Tearproof. Pre-perforated wipes.

- For medium-duty cleaning work, such as polishing glass and cleaning surfaces or tools
- Suitable for contact with foodstuffs

Type	Length (cm)	Width (cm)	Pack.	Art. No.	Pack Qty.	€	€
7241	38	33	1000 wipes	1APN.1	1 unit(s)	33,35	26,65


-20%
Programme extension!

Disposable wipes WYPALL® L20 EXTRA

Kimberly-Clark. Made of Cellulose.

Made of 27% recycled cellulose, 2-ply. Special AIRFLEX® texture for higher absorption capacity. Highly absorbent, for water and oil. Tearproof. Pre-perforated cloths.

- Ideal for medium-duty cleaning work, such as polishing glass and cleaning surfaces or tools
- Suitable for contact with foodstuffs

Type	Length (cm)	Width (cm)	Pack.	Art. No.	Pack Qty.	€	€
7248	38	23.5	1000 tissues	1APL.1	1 unit(s)	26,90	21,50
7249	38	33	1000 tissues	EA31.1	1 unit(s)	37,25	29,75



-25 %

Ultrasonic cleaning unit H-series

Compact universal cleaning units for cleaning laboratory utensils, allowing faster dissolution and degassing of liquids. Housing and vibration tank made of 1.4301 stainless steel.

Features:

- Timer for 1 to 60 minutes or continuous operation
- Heating is adjustable up to approx. 80 °C
- Operating frequency approx. 45 kHz
- Models H 30 to H 120 with drain valve

Technical specifications:

Art. No.	CPK5.1	CPK6.1	CPK7.1	CPK8.1	CPK9.1
Type	H 22	H 30	H 40	H 60	H 120
Volume	1.65 l	2.6 l	3.55 l	5.3 l	9 l
Outer length	300 mm		330 mm		600 mm
Outer width	170 mm	165 mm	175 mm		165 mm
Outer height	225 mm			290 mm	355 mm
Peak Ultrasonic output	120 W	180 W	240 W		300 W
Heating output	150 W	180 W	200 W	250 W	350 W
Outlet valve	No	Yes			
Mains connection	220–240 V, 50/60 Hz				



Delivery incl. Stainless steel lid and basket.

Type	Art. No.	Pack Qty.	€	€
H 22	CPK5.1	1 unit(s)	310,70	233,00
H 30	CPK6.1	1 unit(s)	446,15	334,30
H 40	CPK7.1	1 unit(s)	543,95	407,40
H 60	CPK8.1	1 unit(s)	655,75	491,25
H 120	CPK9.1	1 unit(s)	994,40	744,95

-30 %



Ultrasonic cleaners ULTRASONOL® 11

Carl ROTH.

This highly effective special cleaner assists and intensifies the ultrasonic cleaning process.

- Removes distillation residues, tars, resins, Canada balsam, adhesives, silicones, greases, oils and similar contaminants
- Non-flammable, non-gassing, biodegradable
- Liquid concentrate pH 12.9

Use 2–10% in water. Reaction time 1 to 10 min; after washing, rinse thoroughly and dry.

Danger H290-H314

Art. No.	Pack Qty.	€	€
5354.1	1 l	14,75	10,25
5354.2	5 l	57,85	40,45



-30 %

Wide-vision safety spectacles 6X3

Univet.

Acc. to **EN 166**.

Large panoramic lens, can be worn over prescription glasses and is compatible with half masks. Clear glass lenses made of PC with innovative double-layer anti-scratch/anti-fog coating.

- Adjustable head strap
- Indirect ventilation system ensures protection against liquid droplets and splashes
- Optional attachable face shield
- Weight of safety spectacles: 75 g

Lens design	Art. No.	Pack Qty.	€	€
clear, anti-scratch, anti-fog	ATP4.1	1 unit(s)	27,85	19,30

Safety spectacle accessories

Visor for 6X3 full-vision safety spectacles

Art. No.	Pack Qty.	€	€
ATP5.1	1 unit(s)	11,80	8,20



-20 %

Safety spectacles RUSH+

Bollé.

Acc. to **EN 166, EN 170**.

- PC lens with Bollé platinum coating.
- More comfortable thanks to very soft arms and slip-resistant adjustable bridge

Weight 28 g

Frame colour	Lens design	Art. No.	Pack Qty.	€	€
red, black	clear, UV protection, anti-scratch, anti-fog, chemical-resistant	HYL7.1	1 unit(s)	10,45	8,30

Glow

For increased safety thanks to phosphorescent arms to make them more visible in the dark. 5 minutes exposure under a light source makes the arms light up in the dark.

Frame colour	Lens design	Art. No.	Pack Qty.	€	€
grey, black	clear, UV protection, anti-scratch, anti-fog, chemical-resistant	HYL8.1	1 unit(s)	16,10	12,85



-20 %

Safety spectacles SecureFit 400

3M.

Acc. to **EN 166, EN 170, EN 172** (grey lenses).

Polycarbonate UV protective lenses with anti-scratch and anti-fog properties.

- Flexible frame, adapts easily to all head sizes and shapes
- Soft, adjustable bridge for a perfect and secure fit
- Padded ear pieces reduce pressure points and thus enhance wearing comfort
- Optimal compatibility with ear muffs and dust masks
- Extremely lightweight, 19 g

Lens colour	Frame colour	Art. No.	Pack Qty.	€	€
colourless	black, green	CNE6.1	1 unit(s)	10,55	8,35
grey	black, green	CNE7.1	1 unit(s)	10,55	8,35



-25 %

Spectacle cleaning cloths SEKUROKA®

Carl ROTH.

for wet cleaning optical lenses, with active grease remover and alcohol. Cleans perfectly – anti-fog, anti-static and gentle – without needing to wipe dry. Individually packaged.

Danger H228-H319

Art. No.	Pack Qty.	€	€
1678.1	100 unit(s)	18,25	13,65



-20 %

Spectacles box SEKUROKA®

ROTH SELECTION. Made of ABS.

- Made of impact resistant plastic (ABS) with rounded corners, blue or transparent
- For safe storage of safety spectacles directly in the workplace
- Protects PPA against scratching, dust and moisture
- Suitable for all standard safety spectacles
- Can be mounted using screws or adhesive

Delivery incl. fixing material for wall mounting, without safety spectacles.

For 1 pair of safety spectacles

Dimensions: W 236 x D 120 x H 120 mm

Delivery without mandatory sign (please order separately).

Colour	Art. No.	Pack Qty.	€	€
blue	N426.1	1 unit(s)	12,40	9,85
colourless	N427.1	1 unit(s)	14,95	11,90

For 4 safety spectacles

Suitable for standard arm spectacles. Not suitable for strongly curved arm spectacles (e.g. uvex i-vo).

Outer dimensions: W 236 x D 125 x H 225

Inner compartment: W 42 x D 64 x H 175 mm

Delivery incl. mandatory sign "Wear eye protection".

Colour	Art. No.	Pack Qty.	€	€
blue	TY59.1	1 unit(s)	54,85	43,85
colourless	TY60.1	1 unit(s)	61,30	49,00

For 12 pairs of safety spectacles

Ideal for storing safety spectacles for visitors. The insert is removable, e.g. for cleaning.

Outer dimensions: W 236 x D 200 x H 315 mm

Inner dimensions: W 230 x D 192 x H 299 mm

Inner compartment: W 63 x D 174 x H 75 mm, Ø 98 mm

Delivery incl. mandatory sign "Wear eye protection".

Colour	Art. No.	Pack Qty.	€	€
blue	X465.1	1 unit(s)	102,10	81,65
colourless	CHL0.1	1 unit(s)	106,35	84,80

Cut-resistant gloves with dimples

Fitzner Arbeitsschutz. Made of Polyamide, Cotton.

Acc. to EN 420 and EN 388 (224XX).

Double-layer finely knitted gloves, cotton inside, polyamide outside.

Seamless circular knit with knitted cuff. Palms with vinyl dimples.

Size	Art. No.	Pack Qty.	€	€
7	HNC2.1	6 pair	11,80	9,40
8	HNC3.1	6 pair	11,80	9,40
9	HNC4.1	6 pair	11,80	9,40
10	HNC5.1	6 pair	11,80	9,40



-20 %

Cat. II



-20 %

Cat. II



Heat-resistant gloves

Made of Polyamide Nomex®.

Acc. to EN 420, EN 388 (1x1x) and EN 407 (x1xxxx). Made of Nomex® polyamide fibre from DuPont. Long-lasting, good dimensional stability, high wear comfort, large flame- and chemical-resistant. The finely knitted jersey material is also suitable for more intricate work. Washable up to max. +95 °C.

Protection against contact heat up to:

- 100 °C: Max. 26 sec
- 250 °C: Max. 7.6 sec

Length (mm)	Size	Art. No.	Pack Qty.	€	€
260	6,5	ALA1.1	1 pair	35,40	27,90
260	7,5	0138.1	1 pair	35,30	27,90
260	8	0141.1	1 pair	35,30	27,90
260	8,5	0143.1	1 pair	35,30	27,90
260	9	ALA2.1	1 pair	35,40	27,90
350	6,5	ALA3.1	1 pair	45,55	36,30
350	7,5	0145.1	1 pair	45,70	36,30
350	8	0147.1	1 pair	45,70	36,30
350	8,5	0148.1	1 pair	45,70	36,30
350	9	ALA4.1	1 pair	45,55	36,30

Cut-resistant gloves Camapur® Comfort 625+

KCL by Honeywell. Made of Polyamide.

Acc. to EN 420, EN 388 (3131), meets the requirements of EN 16350:2004 for protective gloves against electrostatic hazards.

Resistance <1x10⁸ Ohm; test atmosphere: Air temperature (23 ± 1) °C, relative humidity (25 ± 5) %.

Made of seamless polyamide jersey with a copper thread.

With knitted cuff and polyurethane coating on the palm and fingers.

Can be washed without affecting the antistatic properties.

Can be used for precision and assembly tasks in the electrical industry, chip handling/processing and microelectronics.

Size	Art. No.	Pack Qty.	€	€
7	HH29.1	5 pair	38,50	28,85
8	HH30.1	5 pair	38,50	28,85
9	HH31.1	5 pair	38,50	28,85
10	HH32.1	5 pair	38,50	28,85



-25 %

Cat. II





Cotton gloves

Cat. I

ROTH SELECTION. Made of Cotton 100%.

Jersey gloves with finger walls, anatomic thumb, lined.

White, bleached. Öko Tex Standard 100. Suitable for foodstuffs.

Breathable, wearing comfort, precise fit, excellent tactile sensitivity.

Application: Product protection or as underglove.

Medium-duty Length approx. 24 cm

Length (mm)	Size	Art. No.	Pack Qty.	€	€
240	7	ENC3.1	12 pair	24,55	15,90
240	8	ENC4.1	12 pair	24,55	15,90
240	9	ENC5.1	12 pair	24,55	15,90
240	10	ENC6.1	12 pair	24,55	15,90
240	11	ENC7.1	12 pair	24,55	15,90

-35 %

Heavy-duty Length approx. 24 cm

Length (mm)	Size	Art. No.	Pack Qty.	€	€
240	7	0514.2	12 pair	32,20	20,90
240	11	0557.2	12 pair	32,20	20,90

Medium-duty extra-long approx. 35 cm

Length (mm)	Size	Art. No.	Pack Qty.	€	€
350	8	ENC8.1	6 pair	18,85	12,20
350	10	ENC9.1	6 pair	18,85	12,20



Waste bags Paper

Made of Paper.

2 x 70 g. Neutral, no imprint.

- **HY4.1:** Width 550 + 230 mm, length 850 mm
- **HY5.1:** Width 700 + 250 mm, length 950 mm

Colour	Total volume (l)	Art. No.	Pack Qty.	€	€
brown	70	HY4.1	25 unit(s)	21,45	16,05
brown	120	HY5.1	25 unit(s)	25,80	19,35

-20%

GHS hazardous substances labels to combine

Carl ROTH. Made of PE Film, High-gloss.

Permanent adhesion, waterproof. Material thickness: 0.1 mm.

Temperature stability from -20 to +80 °C.

250 pieces/roll in a practical dispenser box.

Pictogram

Pic.	Symbol	L x W (mm)	Art. No.	Pack Qty.	€	€
(1)	Exploding bomb	22 x 22	NP43.1	250 unit(s)	11,80	9,40
(2)	Flame	22 x 22	NP44.1	250 unit(s)	11,80	9,40
(3)	Flame over circle	22 x 22	NP45.1	250 unit(s)	11,80	9,40
(4)	Gas bottle	22 x 22	NP46.1	250 unit(s)	11,80	9,40
(5)	Burns	22 x 22	NP47.1	250 unit(s)	11,80	9,40
(6)	Skull	22 x 22	NP48.1	250 unit(s)	11,80	9,40
(7)	Exclamation mark	22 x 22	NP49.1	250 unit(s)	11,80	9,40
(8)	Health hazard	22 x 22	NP50.1	250 unit(s)	11,80	9,40
(9)	Environment	22 x 22	NP51.1	250 unit(s)	11,80	9,40



Signal word

In three languages: German, English and French.

Pic.	Symbol	L x W (mm)	Art. No.	Pack Qty.	€	€
(10)	Warning	15 x 27	NP52.1	250 unit(s)	12,85	10,20
(11)	Danger	15 x 27	NP53.1	250 unit(s)	12,85	10,20



Oil sorbent

3M.

Ideal for absorbing and stopping the spread of oil and organic liquids.

Also oleophilic (hydrophobic) and water-repellent. Ideal for absorbing oil both on water and on land. Made of synthetic fibres (polypropylene and polyester) for use indoors and outdoors.

Wipes HP 255

Manufacturer no.	L x W (cm)	Intake capacity (l)	Art. No.	Pack Qty.	€	€
HP 255	47 x 43	2.0	A377.1	10 unit(s)	33,15	28,05



-25 %



Disposal bags SEKUROKA®

A 121 °C

ROTH SELECTION. Autoclavable: Yes.

Designed for hygienic disposal of contaminated laboratory articles.

Seal bag loosely during sterilisation!

(1) PP, 50 µm

Made of PP. For steam sterilisation at up to +134 °C.

Total volume (l)	Filling capacity (l)	L x W (mm)	Art. No.	Pack Qty.	€	€
8	6	500 x 300	0384.1	500 unit(s)	85,80	64,30
38	22	780 x 400	L371.1	500 unit(s)	149,45	112,05
60	32	800 x 600	0385.1	500 unit(s)	175,25	131,40
60	32	800 x 600	0385.2	100 unit(s)	52,60	39,20
110	72	1100 x 700	L372.1	350 unit(s)	194,60	145,90
110	72	1100 x 700	L372.2	75 unit(s)	57,55	42,95

(1) PP, extra strong 100 µm.

Made of PP. For steam sterilisation at up to +134 °C.

Total volume (l)	Filling capacity (l)	L x W (mm)	Art. No.	Pack Qty.	€	€
60	32	800 x 600	XP67.1	125 unit(s)	162,35	121,70
110	72	1100 x 700	XP68.1	75 unit(s)	140,85	105,60

(2) Biohazard PP, 50 µm. With extra strong bottom seam.

Made of PP. For steam sterilisation at up to +134 °C.

With printed **Biohazard symbol** and adhesive sterilisation indicator patch. Safety imprint in German, English and French.

Total volume (l)	Filling capacity (l)	L x W (mm)	Art. No.	Pack Qty.	€	€
8	6	500 x 300	ATY2.1	100 unit(s)	42,95	32,20
38	22	780 x 400	ATY3.1	100 unit(s)	69,85	52,35
60	32	800 x 600	ATY4.1	100 unit(s)	85,90	64,45
110	72	1100 x 700	ATY5.1	100 unit(s)	148,35	111,25



-20%

Infrared thermometer Bodytemp 478

Dostmann.

Contactless forehead infrared thermometer for quick and precise measurement of body temperature (+32 °C to +42.5 °C). In Surface Mode, general surface measurements in the range of 0 to 60 °C are possible.

- Large, illuminated LCD display which simultaneously displays the measured values and stored values
- Short response time of < 0.5 seconds
- Measurement distance of 5 – 15 cm
- Audio limit alarm (freely selectable values)
- Switchable between body and surface measurement
- Small measurement data memory
- Hold/Auto Off function

Technical specifications:

Infrared measuring range	0 to +60 °C
Resolution	1 °C
Accuracy	±0.3 °C
Measuring distance : measuring spot ratio	8 : 1
L x W x H	149 x 77 x 43 mm
Weight	172 g
Power supply	2 x 1.5 V AA batteries

Delivery incl. batteries.

Art. No.	Pack Qty.	€	€
1C6C.1	1 unit(s)	52,79	42,10