Empowering Scientific Discovery

Calibre SCIENTIFIC

2025 Q3 Labortops

VALID UNTIL 30.09.2025

PARTNER OF
LLG
Laboratory Supply Solutions

Data Logger EBI 20-T1, Temperature/Humidity data logger EBI 20-TH1

-ebro-
Measurements for Life

- Transport and storage monitoring
- Visual alarm
- Stores up to 40000 measured values, readable at any time

EBI 20-T1

EBI 20-TH1

Applications:
- Transport
- Storage monitoring
- Refrigeration areas and cold rooms
Features:
- Waterproof
- Visual alarm
- Max/min values on display
- Stores 40000 readings, can be read off at any time

Scope of supply:
EBI 20-T1: Temperature Logger

EBI 20-T1-Set: Temperature Logger, evaluation software, Interface

EBI 20-TH1: Humidity data logger

EBI 20-TH1-Set: Humidity data logger, evaluation software, Interface

Specifications
Measuring range temperature:	-30 to +70 °C
Measuring range humidity (EBI 20-TH1):	0% to 100% R.H.
Accuracy temperature:	±0.5 °C (-20 to +40 °C); ±0.8 °C for remaining measuring range
Accuracy humidity (EBI 20-TH1):	±3% R.H. (10 to 90% R.H.)
Resolution temperature:	0.1 °C
Resolution humidity (EBI 20-TH1):	0.1% R.H.
Memory:	40000 samples
Sensor:	NTC for temperature/capacitive for humidity
Operating temperature:	-30 to +70 °C
Storage temperature:	-40 to +70 °C
Measuring period:	1 minute to 24 hours
Power supply:	3 V lithium (CR 2450), can be replaced by user
IP code:	IP 67 (EBI-20 T1)/IP 52 (EBI 20-TH1)
Housing:	ABS
Dimensions (L x W x H):	69 x 48 x 22 mm

Type	PK	Cat. No.	Price
			GBP
EBI 20-T1	1	9.908 069	**51.19**
EBI 20-T1-Set	1	9.908 073	**135.09**
EBI 20-TH1	1	9.908 070	**79.63**
EBI 20-TH1-Set	1	9.908 074	**163.53**

Penetration/infrared thermometer testo 104-IR BT

testo

Penetration thermometer with integrated infrared sensor for quick and easy determination of surface and core temperature in the food sector. Suitable for checks as part of HACCP processes. The infrared measuring device is equipped with a 2-point laser with 10:1 optics. Seamless, digital documentation is possible via the testo Smart App connection. All measurement values are automatically transferred to the testo Smart App via Bluetooth®. For regulatory requirements and internal quality assurance, data can be exported or professional reports can be created in PDF format (incl. signature & comment function). The penetration/infrared thermometer is watertight (IP65), EN 13485 certified, and HACCP-compliant.

Scope of supply: Penetration/infrared thermometer, batteries, instruction manual, calibration protocol

Temp. range °C	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
-30 ... 250	48 x 21 x 281	1	4.701 461	**147.60**

Disposable data logger TempMate-S1

DOSTMANN electronic GmbH

- Automatic report generation in PDF and CSV format
- 110 days runtime, 16000 measured values every 10 minutes
- Food-safe according to HACCP

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

- Auto-generating PDF and CSV format data report
- 110 days run time 16000 measurements, 10-minute interval
- Up to 5 alarm points configurable
- Integrated USB connector
- LED Alarm indicators
- Food proof according to HACCP

Specifications
Temperature range:	-30 ... 70 °C
Accuracy:	±0.5 °C at -20 ... +40 °C/±1.0 °C in remaining range
Resolution:	0.1 °C
Data memory:	16000 measurements
Recording cycle:	110 days
Sampling interval:	10 min
Shelf life:	24 months
Dimensions (L x W x H):	80 x 47 x 7 mm
Weight:	14.6 g
IP code:	IP 67/NEMA 6
Certifications:	Calibration Certificate, EN 12830 S, T, C, D, 1

Type	PK	Cat. No.	Price
			GBP
TempMate-S1	1	6.285 049	**19.35**

You can find our complete range on our website.

Digital refractometer RFM340-T

Bellingham + Stanley
a xylem brand

- High-resolution 7" HD touchscreen display
- Brix value precision up to three decimal places

New

High-precision measuring device with Peltier temperature control for demanding applications in the food, beverage, and chemical industries. SMART temperature stability, RFID user identification, and application-specific, pre-programmed methods simplify routine analyses. Measurements can be performed quickly and reliably in Brix, refractive index (RI), or up to 100 user-defined scales.

- High-resolution 7" HD touchscreen display
- Flat prism surface facilitates cleaning
- Wide beam scan for non-homogeneous samples
- Brix precision to three decimal places
- Data memory for over 8000 readings
- Menu with PIN protection
- Dual display function: the display of Brix or RI values alongside the equivalent sucrose SG result
- USB (A), USB (B), and Ethernet interface
- Output as secure PDF as possible
- USB "Backup & clone"
- Remote access for diagnostics and maintenance
- Supports FDA Regulation 21 CFR Part 11

Measuring range	Temp. range °C	PK	Cat. No.	Price GBP
0 ... 100 °Brix; 1.32 ... 1.58 RI	0 ... 70	1	4.694 491	**10,678.50**

Sucrose in water (Brix) standards

REAGECON

Certified reference material according to ISO 17034 and ISO 17025 for the calibration or validation of appropriate test methods for the determination of the Brix value. The product has a shelf life of 20 weeks and is manufactured under ICUMSA guidelines.

- Ready to use
- Can be used with any refractometer
- Provided in a dropper bottle, 1 ml

Measuring range	PK	Cat. No.	Price GBP
5% Brix	1	9.801 502	**77.18**
7% Brix	1	9.801 503	**77.18**
10% Brix	1	9.801 504	**77.18**
11,2% Brix	1	9.801 505	**77.18**
11,5% Brix	1	9.801 506	**77.18**
12% Brix	1	9.801 507	**77.18**
12,5% Brix	1	9.801 508	**77.18**
15% Brix	1	9.801 509	**77.18**
20% Brix	1	9.801 510	**77.18**
25% Brix	1	9.801 511	**77.18**
30% Brix	1	9.801 512	**77.18**
35% Brix	1	9.801 513	**77.18**
40% Brix	1	9.801 514	**77.18**
45% Brix	1	9.801 515	**77.18**
50% Brix	1	9.801 516	**77.18**
55% Brix	1	9.801 517	**77.18**
60% Brix	1	9.801 518	**77.18**

Photometer MD50

Lovibond

- Highest accuracy for samples with low contamination
- Measurement of COD in high, medium and very low ranges for versatile applications
- Stable and compact

New

The MD50 is specifically designed for COD determination and offers superior performance enhanced usability and expanded testing capabilities, including the new Very Low Range (VLR) COD method for ultra-sensitive measurements.

- Highest accuracy for low-pollution samples
- Measurement of COD in high, medium and very low ranges for versatile applications
- Easy operation thanks to intuitive symbols and animations as well as user-friendly navigation
- Results within seconds enable high-efficiency
- Time-saving with the One Time Zero function (stays valid for up to 8 hours)
- Handheld design for comfortable single-handed operation
- Robust housing with side protection for extra durability
- Wireless NFC and USB-C data transfer
- Automatic GLP compliance
- Versatile connectivity via the AquaLX® app or Lovibond® Data Expert software
- Pre-programmed Lovibond® CSB cuvette tests for operation right out of the box available separately

Methods: M134, M130, M133, M131, M132

Scope of supply: Photometer in carrying case, adapter for cells (16 mm), 2 x dosing syringes (1 ml, 2 ml), USB-C cable, screwdriver, manual, 2 x AA batteries

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
MD50 COD	76 x 155 x 45	1	6.523 619	**445.50**

Room climate monitor RM 100

Ideal for monitoring the CO_2 concentration in any room

-ebro-
Measurements for Life

For reliable control and evaluation of indoor air quality. Simultaneous measurement and display of temperature, CO_2 concentration and humidity. The CO_2 concentration in the air is additionally indicated by three LEDs as good, medium or bad.

- Alarming when a limit is exceeded
- Large, illuminated display
- Factory calibration certificate

Scope of supply: Room climate monitor RM 100, external AC/DC adapter

Specifications

CO_2 range:	0 ... 3000 ppm
Resolution:	1 ppm (0 ... 1000 ppm), 5 ppm (1001 ... 2000 ppm), 10 ppm (2001 ... 3000 ppm)
Accuracy:	below 25 °C: ±80 ppm or ±5% of measured value (<2000 ppm); ±7% (>2000 ppm)
LED's:	green: <800 ppm, yellow: 800 ... 1200 ppm, red: >1200 ppm
Temperature range:	0 ... 50 °C
Resolution:	0.1 °C
Accuracy:	±1 °C
Relative humidity:	20 ... 90%
Resolution:	1%
Accuracy:	±5%
Dimensions (L x D x H):	137 x 51 x 99 mm
Weight:	200 g
Electricity supply:	USB or 5 VDC adapter
Power supply:	100-240 VAC 50/60 Hz

Type	PK	Cat. No.	Price GBP
RM 100	1	6.288 263	**156.60**

Digital Thermo-hygrometer

For monitoring indoor temperature and humidity.

TFA

- Large, easy-to-read display
- Display of maximum and minimum values
- °C/°F-switchable
- For hanging or standing

Scope of supply: Thermo-hygrometer, battery, operating instructions

Temperature range:	-10 ... 60 °C
Temperature accuracy:	±1 °C (-10 ... 50 °C)
Humidity range:	10 ... 99% rH
Humidity accuracy:	±5% (25 ... 75% rH)
Dimensions (L x W x H):	102 x 21(50) x 110 mm
Weight:	122 g

Type	PK	Cat. No.	Price GBP
Digital Thermo-hygrometer	1	6.225 927	**20.34**

Light measuring instrument testo 540

testo

Quick and easy-to-use instrument for measuring lighting conditions in the workplace. The sensor is adapted to the spectral sensitivity of the eye.

- Display illumination
- Hold-function
- Max./min. values

Scope of supply: Metre incl. protection cap, batteries, calibration protocol

Specifications

Measuring range:	0 to 99999 lx
Resolution:	1 lx (0 to 19999 lx) 10 lx (remaining range)
Accuracy:	±3 lx or ±3%
Measuring frequency:	0.5 s
Dimensions (W x D x H):	133 x 46 x 25 mm
Weight:	95 g
IP code:	IP 40
Power supply:	2 Micro cells AAA

Type	PK	Cat. No.	Price GBP
testo 540	1	6.232 393	**135.00**

Secchi Disk

For determining the depth of visibility and light permeability of water. Sturdy design made of strong, hard-wearing plastic. Lead weight for better lowering. The approx. 15 cm high rod is fitted with an eyelet for fastening the lowering engine. The lowering line is marked in intervals of 100 cm with figures from 1 to 10 and in between additionally with line markings each 50 cm for better reading of the depth of visibility while the disk is being lowered.

Lowering line, please order separately.

Description	PK	Cat. No.	Price GBP
Secchi Disk, diam. 250 mm, 4 areas (2 x black, 2 x white)	1	6.267 808	**68.48**
Lowering line, 10 m, marked in intervals of 50 cm and 100 cm	1	7.072 324	**27.20**

You can find our complete range on our website.

Grippers for vaccine vials, PP

For precise gripping and safe removal of crimped vaccine/serum vials from cold storage boxes. Set consisting of 5 different colours (red, purple, blue, green, and yellow).

- Ergonomic squeeze area
- For vaccine vials up to Ø 21 mm
- Autoclavable at 121 °C

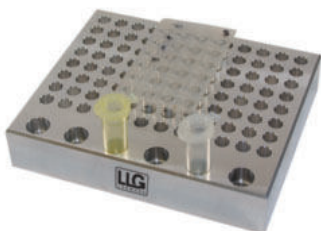| Dimensions (W x L x H) mm	PK	Cat. No.	Price GBP
20 x 152 x 35	5	6.492 240	97.59

Cryoware marker set Nalgene™, Type 6313
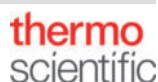
For durable labelling of cardboard, plastic and cloth material for use at ultra-low temperatures. Non-smudge and non-running. Removable with alcohol. Extra fine point. Two packs available: 1 pack contains one each red, green, black and blue marker while the other pack contains black markers only.

Description	PK	Cat. No.	Price GBP
Assorted	4	9.400 978	23.25
Black	4	9.400 979	23.25

LLG-Temperature block *exact*, aluminium

Suitable for both cooling and heating, universally usable, uniform temperature distribution within the block, ideal for all temperature-sensitive applications.

Array	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
96 x 0.2 ml PCR tubes + 6 x 1.5 ml tubes	118 x 89 x 24	1	9.409 015	139.05
24 x 1.5 ml tubes	115 x 89 x 34	1	9.409 017	123.48
24 x 2.0 ml tubes	115 x 89 x 34	1	9.409 018	127.35
12 x 15.0 ml Centrifuge tubes	75 x 89 x 38	1	9.409 008	111.60

Label printer DYMO® LabelWriter™ 550

- Compact label printer
- Direct thermal printing technology
- Customized label design possible

Compact label printer with direct thermal printing technology for fast and efficient label printing without additional ink cartridges or toner cartridges.

- Print resolution of up to 300 x 300 dpi
- Customised label design with DYMO® Connect for Desktop software
- Printing precise label quantities without cumbersome label sheets
- Automatic energy-saving mode
- PC connection via USB interface

Scope of supply: Label printer, 1 x label starter roll (28 x 89 mm), power adapter, power cable, USB cable, quick start guide

Specifications
Max. label width:	59 mm
Print speed:	62 labels/min.
Dimensions (WxDxH):	127 x 187 x 136 mm
Weight:	640 g
Power supply:	100 ... 240 V, 50/60 Hz, 24 V

Type	PK	Cat. No.	Price GBP
DYMO® LabelWriter™ 550	1	4.687 585	124.19

Cryo labels CryoSTUCK®, rectangular

New

- For DYMO® LabelWriter™ 5-Series
- Cryo labels for frozen surfaces

Developed for labelling laboratory consumables and containers such as vials, tubes and cryo boxes. These durable, solvent-resistant cryo labels adhere securely to frozen surfaces down to a temperature of -80 °C. Frozen containers can therefore be labelled directly without having to thaw the samples first. The labels also have a permanent adhesive that adheres securely even under extreme conditions, including prolonged storage in liquid nitrogen (-196 °C). Resistant to a wide range of laboratory chemicals, including detergents, alcohols, acetone, xylene and disinfectant solutions.

Cryo labels with SnapPEEL™ technology, the unique shape consisting of an adjoined circle with a rectangle. This allows the labelling of containers and their caps.

Form	Dimensions (diam. x D x W) mm	PK	Cat. No.	Price GBP
rectangular	-x 50.8 x 25.4	1000	4.711 710	106.29
rectangular	-x 50.8 x 6.4	1000	4.711 711	88.11
rectangular	-x 38.1 x 19.1	750	4.711 712	57.42
rectangular	-x 25.4 x 25.4	750	4.711 713	57.42
rectangular	-x 25.4 x 12.7	750	4.711 714	57.42
rectangular and circular	9.5 x 23.9 x 12.7	750	4.711 715	77.94
rectangular and circular	11.1 x 28.6 x 15.9	750	4.711 716	77.94
circular	12.7 x - x -	2000	4.711 717	65.25

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

2in1 KITs contain 100 vials (1.5 ml) and 100 closures in an orange PP-Box.

Description	Cover type	PK	Cat. No.	Price GBP
clear	Short Thread Cap, blue, hole, Silicon white / PTFE red	100	9.003 560	38.43
clear	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	7.621 765	51.39
clear	Short Thread Cap, transparent, hole, Silicon white / PTFE red	100	9.003 561	34.38
clear, labelling field	Short Thread Cap, blue, hole, Silicon white / PTFE blue, slitted	100	9.003 562	51.75
clear, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PFE red	100	7.970 892	40.95
amber, labelling field	UltraClean Short Thread Cap, blue, hole, Silicon white / PFE red	100	6.266 871	40.68

b.safe-Caps, GL45, PPS

BOHLENDER

Typ B

Screw cap for thread GL 45 made of PPS, freely turnable distributor body made of PTFE with female threads UNF ¼" 28 G for connecting capillary tubing (O. D. 3.2 mm) or a b.safe air valve.

Scope of supply:
Cap A: 2 x connections, 1 x fitting (PFA), 1 x air valve
Cap B: 3 x connections, 2 x fittings (PFA), 1 x blind fitting (PFA), 1 x air valve
Cap C: 4 x connections, 3 x fittings (PFA), 2 x blind fittings (PFA), 1 x air valve

Type	PK	Cat. No.	Price GBP
A	1	6.313 834	58.87
B	1	6.313 835	66.42
C	1	6.313 836	68.95

Syringes for GC autosampler from Perkin-Elmer

TRAJAN

GC syringes for all Perkin-Elmer autosamplers e.g. Clarus.

- With fixed needle
- Two different needle diameter
- All needles are 70 mm long with a cone-point style
- High reproducibility, low carry-over

Capacity µl	Gauge (OD) mm	PK	Cat. No.	Price GBP
5	23 (0.63)	1	9.221 282	108.99
5	26 (0.47)	1	9.221 281	108.99
5 (Gas tight)	23 (0.63)	1	6.204 955	112.23
5 (Gas tight)	26 (0.47)	1	9.221 283	112.23

Air valves, PP

BOHLENDER

Red/yellow. With connecting thread UNF ¼" 28G. Filter membrane made of PTFE/PP with a porosity of 1 µm and integrated non-return valve made of silicone. With service life indicator.

Diam. mm	Life time	PK	Cat. No.	Price GBP
20	6 months	2	6.313 842	34.50
20	6 months	10	6.313 843	152.31

Exhaust filters V3.0, GL 14

S·C·A·T

The exhaust air filters are equipped with three different activated carbon layers, which bind acids and alkalis and adsorb organic solvent vapours.

- Filter media with a very high-performance spectrum for acids and alkalis
- Optimised for binding buffer solutions and solvent vapours
- With splash guard
- 1500 m²/g adsorption surface area
- Supply pack with change indicator

Filter size	Life time	PK	Cat. No.	Price GBP
S	3 months	4	4.681 461	159.89
M	6 months	2	4.681 458	129.29
L	12 months	2	4.681 463	152.24

Funnel stands LaboPlast®, PP

White, unbreakable, chemically resistant.
For 2 or 4 funnels. A robust, heavy base provides good stability.
Variable height adjustment up to 450 mm. Thanks to a magnet system,
no clamping screws are necessary. The height of the funnel holder can
be adjusted easily and flexibly with one hand.

With 2 or 4 aperture reduction inserts for small funnels.
Suitable for funnels with diam. 40 to 180 mm.

To hold funnels piece	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
2	140 x 300 x 480	1	9.069 922	81.05
4	150 x 550 x 500	1	9.069 924	109.44

Buchner funnel, borosilicate glass 3.3

New

ROBU

Buchner Funnel (with slit sieve disc)
for Membranes or Paper Filters

- Chemical and high-temperature
  change resistance
- With a sintered VitraPOR®
  glass filter disc
- The glass filter disc, which is fitted
  with a glass disc with approx. 1.8 mm
  wide slits
- Easy filtrate removal and cleaning

Capacity ml	Funnel diam. mm	Filter diam. mm	PK	Cat. No.	Price GBP
75	52	45 ... 48	1	6.492 454	61.02
125	65	55 ... 60	1	6.492 455	71.87

LLG-Qualitative filter paper, circles

Made from 100% cellulose. Ash
content 0.06%. Filtration speed
according to DIN 53137. Capacity of
separation according to DIN 53135.
**Medium fast, pore size
5 to 13 µm**.
For fast filtration with fine particles.

Diam. mm	Filtration time secs.	PK	Cat. No.	Price GBP
47	88	100	9.045 801	5.58
55	88	100	9.045 802	5.85

LLG-Filtering apparatus, borosilicate glass

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

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

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

Description	PK	Cat. No.	Price GBP
LLG-Filtering apparatus 1000 ml	1	6.291 850	364.05
LLG-Filtering apparatus 2000 ml	1	6.291 851	410.22

LLG-Extraction thimbles, cellulose

Neutral and fat-free. With excellent retention
capacity.

Diam. mm	Length mm	PK	Cat. No.	Price GBP
20	80	25	9.045 701	78.39
22	80	25	9.045 700	67.77
25	100	25	9.045 709	70.47
26	60	25	9.045 707	69.84
28	80	25	9.045 711	69.75
30	80	25	9.045 708	71.10
33	80	25	9.045 702	73.71
33	94	25	9.045 703	81.27
33	100	25	9.045 704	67.68
33	118	25	9.045 706	80.64
43	123	25	9.045 710	109.44

NMR Tube Rack, PP

SP Bel-Art

Polypropylene rack with carrying handles features an upper deck with holes and a lower deck support for tube ends. Stackable.
For 72 (6 x 12) tubes with 3 or 5 mm diameter. Autoclavable.

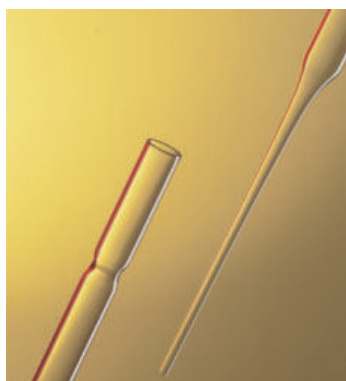| Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
210 x 110 x 220	1	9.301 065	77.09

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

hilgenberg

The NMR tubes are produced with high precision. They are suitable for routine measurements, high-throughput measurements or NMR systems with autosampler at measurement frequencies up to 600 MHz. The tubes are manufactured from borosilicate glass 3.3 which conforms to USP Type I and ASTM E438, Type I, Class A. Please order closing caps separately.

Outer diam. mm	Int. diam. mm	Length mm	PK	Cat. No.	Price GBP
4.95 ± 0.05	4.19 ± 0.05	178	100	9.400 310	120.60
4.95 ± 0.05	4.19 ± 0.05	203	100	9.400 311	127.80

Closing caps for NMR and EPR tubes

hilgenberg

The caps are made of durable plastic.
For 5 mm NMR tubes and corresponding EPR tubes.

Colour	PK	Cat. No.	Price GBP
red	50	4.688 374	8.45
green	50	4.688 375	8.45
yellow	50	4.688 376	8.45
blue	50	4.688 377	8.45

Pasteur pipettes, soda glass

hilgenberg

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

Length mm	PK	Cat. No.	Price GBP
300	1000	4.672 077	1,088.39
350	1000	4.672 078	1,814.67

NMR brushes

DURAN WHEATON KIMBLE
Excellence in your hands

For cleaning NMR tubes.

Length mm	PK	Cat. No.	Price GBP
250	5	4.669 337	14.49

Bowl Trolleys

GORR

Trolley
- Welded design
- Suitable for plastic tubs 85 l or 100 l
- Height with red tray approx. 760 mm,
  with a white tray of approx. 840 mm
- 4 swivel castors with solid rubber wheels Ø 75 mm,
  ball bearings, non-marking tyres
- Powder-coated black-silver effect paint
- Load capacity 100 kg

Bowl, red: PE, 85 litres
Bowl, white: PE, 100 litres

Description	Colour	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
Trolley	black-silver	500 x 750 x 720	1	9.148 300	154.26
Bowl	red	540 x 765 x 350	1	9.148 301	68.85
Bowl	white	540 x 900 x 400	1	9.148 302	87.30

Folding steps K70

Hailo

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

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

Number of steps	Height*	Colour	PK	Cat. No.	Price GBP
2	46	black	1	4.668 331	60.08
3	69	black	1	7.623 704	68.06

* Height of first step (cm)

Glove boxes, PMMA/PE

BOHLENDER

Aluminium frame with panels made of acrylic glass (PMMA), and a base panel made of polyethylene. Front panel with two glove ports and one pair of natural rubber gloves size 9, two lead-ins for cables on the back side (upper left and upper right). Workspace including two hose connectors for gas-filling and aeration and appropriate tubing. Glove box without transfer chamber with 1 x 5 m PVC tubing for gas-filling and 1 x 5 m PE aeration tubing. Glove box with transfer chamber with 2 x 5 m PVC tubing for gas-filling and 2 x 5 m PE aeration tubing.

Glove box with Transfer chamber
Transfer chamber with two doors, external door with latch to prevent accidental opening, the tray extends into the workspace with the opening of the internal door for easy removal of inserted products.

Specifications
Glove boxes with and without Transfer chamber
Capacity Box:	290 l
Internal Dimensions Box (W x D x H):	850 x 540 x 650 mm
Max. Load Box:	40 kg
Inlet opening:	diam. 190 mm
Hinged lid opening (W x H):	850 x 425 mm
Working Temperature range:	-20 ... 70 °C

Glove boxes with Transfer chamber
Capacity Transfer chamber:	24 l
Internal Dimensions Transfer chamber (W x D x H):	220 x 320 x 275 mm
Max. Load Transfer chamber:	3 kg

Type	External dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
Glove box	890 x 600 x 700	1	6.267 157	3,534.56
Glove box with Transfer chamber	1210 x 600 x 700	1	6.258 807	4,853.29

Gloves for Glove boxes, natural rubber

BOHLENDER

Ambidextrous. For openings of Ø 190 mm.

- Minimal static charge
- Tear, perforation and abrasion resistant
- High flexibility

Size	PK	Cat. No.	Price GBP
7	1	6.260 950	364.65
8	1	7.671 922	364.65
9	1	7.671 923	448.12

Overshoe dispenser HYGOMAT COMFORT/CLEANROOM

franz mensch

- No electrical power needed
- Easy to use, no need for bending over
- Easy and quick handling
- With handrail for extra comfort
- Capacity: two packs of overshoes
- With a window for easy control of
  rest capacity
- Refilled with overshoes within seconds
- Weight: 21 kg

COMFORT

Description	PK	Cat. No.	Price
			GBP
HYGOMAT COMFORT, 740 x 300 x 730 mm	1	6.257 283	**446.00**
HYGOMAT CLEANROOM, stainless steel, 740 x 300 x 730 mm	1	6.269 779	**545.45**

Overshoes for dispenser HYGOMAT

franz mensch

6.257 285:
- Polypropylene nonwoven, CPE coated, white
- Waterproof sole
- Very slip resistant
- Perfect for a smooth surface

6.257 286:
- PP overshoe with CPE sole, blue
- Polypropylene nonwoven
- At the top nonwoven, and at the bottom strong waterproof CPE sole
- Very tearproof and slip-resistant

6.257 287:
- CPE (Cast Polyethylene), blue
- Strong quality, approx. 60 micron
- Light protection against liquids

6.257 288:
- Polypropylene nonwoven, blue
- At the bottom structure made of CPE
- Permeable to air and light slip-resistant
- For dry areas

Length	PK	Cat. No.	Price
mm			**GBP**
440	80	6.257 285	**17.06**
440	70	6.257 286	**14.55**
470	110	6.257 287	**13.31**
460	100	6.257 288	**14.69**

Adhesive Mats Sticky Mat

ERGOMAT

The Sticky Mat provides a fast, convenient, and reliable way to clean shoe soles or other items before entering a clean and sanitary area. Sticky Mats significantly reduce traffic-borne contaminants.

Ergomat White Sticky Mats are produced in a 46 x 114 cm sheet, sold in pads of 30 sheets, with 10 pads per box (300 sheets total.)

Description	Colour	PK	Cat. No.	Price
				GBP
Frame for Cleanroom mats Sticky Mat	grey	1	6.272 245	**68.40**
1 mat of 30 sheets	white	10	6.272 241	**89.10**
1 mat of 30 sheets	blue	10	6.272 242	**89.10**
Set of 10 mats of 30 sheets + 1 frame	white	1	6.272 243	**135.00**
Set of 10 mats of 30 sheets + 1 frame	blue	1	6.272 244	**135.00**

Cleanroom Wipes Sontara® MicroPure, polyester/cellulose

Sontara® MicroPure nonwoven styles (wood pulp/polyester) are engineered for cleanroom use and combine the absorbency of a natural fibre with the cleanliness and strength of a synthetic fibre in the same fabric. No binders or chemical treatments are used to manufacture them. The high cleanliness and purity are ensured by low extractable level and ion content as well as extremely low particle generation by the material itself. The fabric styles offer high particle and liquid absorbency due to their cellulose content.

Type	Dimensions	Cleanroom Class	PK	Cat. No.	Price
	mm				**GBP**
MicroPure 100	305 x 305	ISO 5 + 6	150	9.390 185	**45.09**
MicroPure 100	224 x 224	ISO 5 + 6	300	9.390 186	**44.65**
MicroPure AP	305 x 305	ISO 6 - 9	150	9.390 187	**46.31**
MicroPure AP	224 x 224	ISO 6 - 9	300	9.390 188	**43.99**
MicroPure SV	305 x 305	ISO 7 - 9	250	9.390 189	**47.96**
MicroPure SV	224 x 224	ISO 7 - 9	500	9.390 190	**58.99**

Dispenser uvex one2click and Wall-mounted dispenser

uvex one2click: easy-to-use and robust wall-mounted dispenser.

Wall-mounted dispenser: Plexiglas wall-mounted dispenser, suitable for uvex x-fit, uvex com4-fit, uvex one-fit, uvex xtra-fit, uvex hi-com, uvex whisper, uvex whisper+.

Earplugs are not included.

Description	PK	Cat. No.	Price
			GBP
uvex one2click dispenser	1	6.239 985	**85.64**
Wall-mounted dispenser	1	7.940 554	**62.37**

Earplugs, Refill packs

com4-fit   x-fit   xtra-fit

The right solution for every auditory canal: Uvex ear protection plugs are available in sizes S, M and L. Their ergonomic shape offers a high wearing comfort. The soft PU foam adapts perfectly to the auditory canal, providing optimal protection.
Refill packs for uvex one2click dispenser or wall box dispenser.

Type	Size	For	PK	Cat. No.	Price
					GBP
com4-fit	S	Wall-mounted dispenser	200	9.005 028	**81.43**
com4-fit	S	uvex one2click	300	6.285 529	**113.85**
x-fit	M	Wall-mounted dispenser	200	6.233 602	**81.43**
x-fit	M	uvex one2click	300	6.268 846	**113.85**
xtra-fit	L	Wall-mounted dispenser	200	6.285 528	**81.43**
xtra-fit	L	uvex one2click	250	6.285 531	**113.85**
xact-fit	M	uvex one2click	400	6.285 530	**151.72**
x-fit	M	Wall-mounted dispenser	200	6.239 986	**75.74**

Half face mask BariMask HF

- With one inhalation valve and two side exhalation valves
- Folding magnetic "Quick-Lock" buckle

New

BariMask HF with round thread connection Rd40. The innovative "Quick-Lock" connection of the neck strap makes it easy to put on the half-face mask and therefore quicker to use.

- Corresponds to standard EN 140:1998
- With round thread connection Rd 40 according to DIN EN 148-1
- One inhalation valve and two side exhalation valves
- Magnetic buckle on the neck strap
- Rolling straps with adjustable strap sliders
- Safe identification and documentation due to integrated RFID transponder

Type	PK	Cat. No.	Price
			GBP
Half face mask BariMask HF	1	6.523 581	**58.38**

Screw-Type Filters for BariMask HF

The filters are tested and approved to EN143/EN 14387. Offer very low breathing resistance. Individually sealed in PE bags and packed in outer boxes.

Description	Type	PK	Cat. No.	Price
				GBP
Gas filter	A2	1	9.005 558	**9.81**
Gas filter	B2	1	9.005 559	**11.68**
Gas filter	K2	1	9.005 561	**9.90**
Gas filter	ABE2K1	1	9.005 563	**15.01**
Gas filter	AX	1	6.200 208	**13.65**
Particle filter	P3 R	5	6.289 581	**31.63**
Combined filter	AX P3 R D	1	6.227 097	**18.73**
Combined filter	A2 P3 R D	1	7.626 397	**14.37**

Safety Eyeshields 5X2

The 5X2 glasses are designed to adapt seamlessly to any spectacle frame. They offer the same level of protection as conventional glasses but are fully compatible with your prescription glasses.

- Perfect integration with any prescription spectacles
- Temples with rubber or matt finish
- Frame made of new material
- Integrated side shields
- Polycarbonate lens
- Scratch-resistant and anti-fog
- ISO 16321 and ANSI certified
- Lens clear (U UL1.2 DT)

New

Essential - Clear   Advanced Hybrid

Advanced - Clear   Advanced Full-vision goggles

Type	PK	Cat. No.	Price
			GBP
Essential - Clear	1	6.522 349	**12.51**
Advanced - Clear	1	6.522 350	**21.51**
Advanced Hybrid	1	6.522 351	**28.71**
Advanced Full-vision goggles	1	6.522 352	**32.31**

Colony Counter CC-200, manual

Cole-Parmer®
an antylia scientific company

- Acoustic counting by pressure
- Pressure individually adjustable
- Antimicrobial protection with BioCote®

- Pressure sensitive counting
- Pressure can be adjusted
- Audible confirmation
- Choice of light or dark background
- Bright white energy-saving LED lighting
- Average count facility
- With BioCote® antimicrobial protection
- Connectivity to printer or computer

Scope of supply: Device with two Wolffhuegel graticules and dish centring adapters to facilitate use with 50 to 90 mm dishes.

Please order magnifiers separately.

Specifications

Digital display:	3 digit LED
Lighting:	White LED
Magnifier glass:	1.7x and 3x (option)
Counter:	0 to 999
Petri dishes:	diam. 50 to 90 mm
Dimensions (W x D x H):	310 x 300 x 140 mm
Weight:	1.5 kg
Power supply:	120-230 V, 50/60 Hz, 70 W
Warranty:	3 years

Type	PK	Cat. No.	Price
			GBP
CC-200	1	9.645 280	**818.73**

Accessories for Colony Counter CC-200

Description	PK	Cat. No.	Price
			GBP
Magnifiers 1.7x	1	9.645 281	**98.06**
Magnifiers 3x	1	6.223 318	**118.26**
Wolffhuegel graticule/ segmentation discs for colony counter	10	6.238 272	**78.58**
Centering adapter	2	6.242 195	**25.25**
Protective discs	5	6.241 644	**64.49**

Anaerobic jars, stainless steel

schuett-biotec.de

small

standard

large

eco

crystal

crystal eco

For the cultivation of anaerobic and microaerophilic microorganisms in a defined and rapidly generated gas atmosphere. The requested atmosphere may be reached under ideal conditions by two methods. Either by using chemical gas packs (anaerobe systems) or by manually evacuating the jars with a vacuum pump and flushing with gas afterwards (e.g. with nitrogen), in this case, no chemical accessories are needed (except anaerobic jar eco and crystal eco).

Methods for reaching anaerobic conditions: 3 x times evacuating and filling gas, flushing with gas for 5 minutes and chemical gas production (GasPacks) for Anaerobic jars "small", "standard", "large" and "crystal". For Anaerobic jar "eco" flushing with gas for 5 minutes (Using GasPack-Kits).

Type	Capacity	Int. diam.	Int. height	PK	Cat. No.	Price
	l	mm	mm			**GBP**
small*	2	120	170	1	9.520 051	**260.10**
standard*	3	120	270	1	9.520 056	**278.10**
large*	6	175	260	1	9.520 050	**431.10**
eco**	3	120	270	1	9.520 057	**242.10**
crystal***	3	120	270	1	9.520 058	**359.10**
crystal eco****	3	120	270	1	6.287 615	**269.10**

*Stainless steel jar with UV-resistant plastic lid (2 valves, 1 manometer)
**Stainless steel jar with UV-resistant plastic lid (ventilation screw)
***Transparent polycarbonate jar and lid (2 valves, 1 manometer)
****Polycarbonate jar with UV-resistant plastic lid (ventilation screw)

Accessories for anaerobic jars

Type	To hold dishes quantity	PK	Cat. No.	Price
				GBP
Rack "standard" (for "standard", "large", "eco", "crystal")	15 (60 to 100 mm dia.)	1	9.520 053	**51.29**
GasPack-Kit "anaerobic" (1 x 3.5 l)		10	9.520 064	**107.64**
Anaerobic Indicator (test strip)		100	9.520 067	**201.24**

Gel electrophoresis tank MultiSUB Mini 7

Cleaver SCIENTIFIC

The MultiSUB mini is the smallest device in the series, designed for small and medium sample volumes. The small buffer volume of 225 ml increases the effectiveness of the analysis.
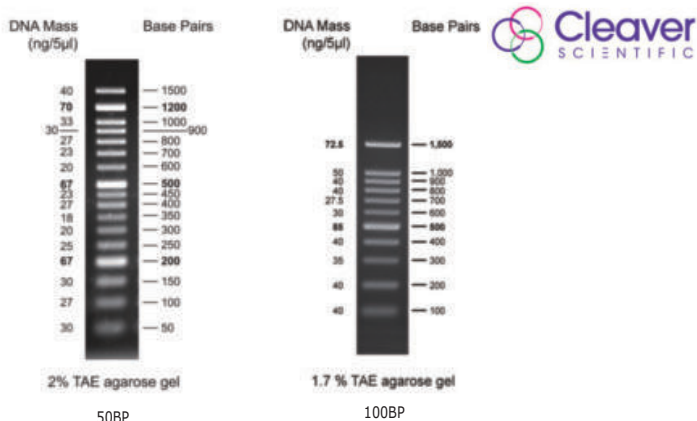
Supplied with: 7 x 7 cm UV Tray, 2 x 8 sample combs.

Specifications

Gel dimensions (W x L):	7 x 7 cm
Unit dimensions (W x L x H):	21 x 9 x 9 cm
Max. sample capacity:	7 x 7 cm tray, 32 samples

Description	PK	Cat. No.	Price
			GBP
MultiSUB Mini 7	1	6.258 373	422.33

DNA Markers for Gel Electrophoresis, CSL-MDNA

Cleaver SCIENTIFIC

50BP   100BP

The ready-to-use DNA markers run precisely and produce a sharp, well-defined ladder. The markers contain high-intensity reference bands and may be used to perform size comparisons with DNA molecules ranging from the smallest of PCR fragments to large, linearised cosmid vectors.

- Up to 19 bands
- Isolated from restrictive plasmids
- 6 months stable at room temperature
- 12 months shelf life at 4 °C
- 24 months storable at -20 °C
- Vials of 500 µl

Type	Size	Bands	Reference bands	PK	Cat. No.	Price
						GBP
50BP	50 bp - 1500 bp	17	200 bp, 500 bp	1	6.256 963	68.54
100BP	100 bp - 1500 bp	11	500 bp, 1500 bp	1	6.256 961	38.56
100BPH	100 bp - 3000 bp	12	500 bp, 1500 bp	1	6.256 960	38.56
1KBPLUS	100 bp - 10 Kb	13	1 Kb, 3 Kb	1	4.669 511	38.56

LLG-PCR tubes, PP

Suitable for standard PCR and qPCR

New

LLG-PCR tubes with flat caps are suitable for standard PCR/qPCR thermal cyclers. The uniform, thin tube wall ensures optimum heat transfer and minimises condensation. The ergonomic cap design makes it easy to open and close the tubes with one hand. The V-shaped bottom allows total sample recovery. LLG-PCR tubes are autoclavable as well as RNase-, DNase-, and pyrogen-free. Withstands centrifugation up to 18000 x g in a fixed-angle rotor and up to 500 x g in a swing-out rotor.

Volume	Cover type	PK	Cat. No.	Price
ml				GBP
0.2	Flat lid	500	4.704 897	28.80

LLG-PCR tubes, PP, strips of 8

New

LLG-PCR tubes are suitable for standard PCR thermal cyclers. The uniform, thin tube wall ensures optimum heat transfer and minimises condensation. The V-shaped bottom allows total sample recovery. LLG-PCR tubes are autoclavable as well as RNase-, DNase-, and pyrogen-free.

Volume	Cover type	PK	Cat. No.	Price
ml				GBP
0.2	Attached lid	120	4.704 898	116.10
0.2	separate cap strips	120	4.704 899	99.90

96-Well PCR Rack, PP

ISOLAB Laborgeräte GmbH
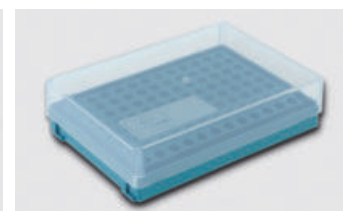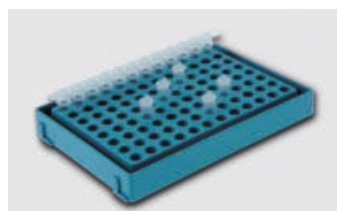
- This working/storage rack is designed to accommodate 96 pieces of 0.2 ml PCR tubes or strips of 8 and 12 tubes.
- Tube wells are easily identified with alphanumeric, embossed numbers and letters.
- Translucent clear cover protects the tubes from dust and has a non-slip surface to allow safe storage of multiple racks.
- Dimensions (W x D x H): 125 x 88 x 31 mm

For tubes	PK	Cat. No.	Price
ml			GBP
0.2	1	6.255 804	6.84

Laboratory bottles protect+ DURAN®, GL 45, with retrace code

DURAN WHEATON KIMBLE
Excellence in your hands

Highly transparent. The coating provides scratch, leak and splinter protection and is ideally suited to both the transport and storage of hazardous media or valuable samples.

- Coating made of polyamide
- With dust cap
- Graduated
- UV protection up to approx. 380 nm
- DIN ISO 4796-1
- USP compliant

Nominal capacity ml	PK	Cat. No.	Price GBP
100	1	4.693 738	20.93
250	1	4.693 740	22.15
500	1	4.693 742	26.29
1000	1	4.693 744	36.23

Square shape laboratory bottles, DURAN®, with retrace code

DURAN WHEATON KIMBLE
Excellence in your hands

Thanks to its angular shape, the DURAN® square bottle fits particularly well and securely in the hand. You also save space and costs, whether in the autoclave, drying cabinet, oven, storage or dishwasher. With a screw cap and pouring ring. Maximum temperature: 140 °C.

- With Retrace code (Batch identification), Certificate available via the Internet
- Neutral glass/Type I glass acc. to USP/EP and JP

Capacity ml	Width mm	Height* mm	Neck thread GL	PK	Cat. No.	Price GBP
100	50	109	32	1	9.072 076	8.23
250	64	143	45	1	9.072 077	9.24
500	78	181	45	1	9.072 078	11.56
1000	94	222	45	1	9.072 079	16.43

*Height mm incl. cap

Laboratory Bottle system DURAN® YOUTILITY

DURAN WHEATON KIMBLE
Excellence in your hands

- Specially shaped gripping zones on both sides of the bottle for easier and safer handling
- With the new YOUTILITY bottle thread opening or closing the bottle is significantly faster. The thread is fully compatible with DIN GL 45 closures and other accessories
- The slimmer YOUTILITY bottle shape allows more optimal use of limited space in autoclaves and laboratory refrigerators
- The YOUTILITY bottle has an integrated Retrace Code to allow full product traceability.
- Each DURAN® YOUTILITY bottle is supplied as a complete system, with a pouring ring (cyan polypropylene) and a GL 45 cap (cyan polypropylene)

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.	Price GBP
125	55	124	4	9.071 679	33.52
250	66	158	4	9.071 678	37.40
500	78	193	4	9.071 677	46.55
1000	93	253	4	9.071 676	65.74

LLG-Bottles, wide mouth, HDPE

LLG LABWARE

Suitable for food. With carrying handle. Ideal for containing liquids, powders and granules. Very strong and durable quality for extended use over time. The bottles can be used at temperatures from -40 to +80 °C.

Capacity Litres	Body diam. mm	Height mm	PK	Cat. No.	Price GBP
5	170	350	1	9.139 938	27.63
10	210	420	1	9.139 939	37.44

You can find our complete range on our website.

Volumetric Flasks, Borosilicate Glass 3.3, Class A, Blue Graduations, with Glass Stoppers

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

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

Nominal capacity	Tolerance	Joint size (NS)	PK	Cat. No.	Price
ml	± ml				GBP
5	0.04	10/19*	1	7.018 535	**19.49**
10	0.04	10/19*	1	7.018 546	**19.62**
20	0.04	10/19	1	7.018 536	**20.03**
20	0.06	12/21*	1	6.238 693	**20.39**
25	0.04	10/19	1	7.018 537	**20.03**
25	0.06	12/21*	1	7.018 553	**20.75**
50	0.06	12/21	1	7.018 538	**21.83**
50	0.10	14/23*	1	7.018 549	**22.19**
100	0.10	12/21	1	7.018 539	**23.04**
100	0.10	14/23	1	7.018 550	**23.58**
200	0.15	14/23	1	7.018 540	**25.88**
250	0.15	14/23	1	7.018 541	**26.82**
500	0.25	19/26	1	7.018 542	**32.00**
1000	0.4	24/29	1	7.018 543	**56.30**
2000	0.6	29/32	1	7.018 544	**75.06**

*Wide mouth

Volumetric flasks for determination of oil content, SILBERBRAND, Borosilicate glass 3.3

DIN 51 368. For determination of oil content in aqueous oil emulsions (e.g. drilling oil). With NS19/26, hollow glass stoppers. Graduations and inscriptions in highly contrasting white enamel. Capacity 100 ml, tolerance ±0.2 ml. Calibrated to contain (IN).

Subdivisions: 0 to 5 ml: 0.1 ml, tolerance: ±0.1 ml.
Subdivisions: 5 to 30 ml: 0.5 ml, tolerance: ±0.5 ml.

Sample volume	PK	Cat. No.	Price
ml			GBP
100	1	9.276 880	**99.86**

Volumetric flasks, plastic, class B, PE NS-stoppers

To DIN EN ISO 1042, adjusted to IN, with PE standard ground joint stoppers.

Capacity	Tolerance	Joint size (NS)	PK	Cat. No.	Price
ml	± ml				GBP
25	0.08	10/19	1	9.276 590	**5.49**
50	0.12	12/21	1	9.276 591	**6.30**
100	0.20	14/23	1	9.276 592	**6.66**
250	0.30	14/23	1	9.276 593	**9.72**
500	0.50	19/26	1	9.276 594	**11.43**
1000	0.80	24/29	1	9.276 595	**14.58**

Measuring cylinders, PP, tall form, class B, blue moulded graduations

Highly transparent. With easily readable, raised, embossed blue scale and ring marks at the primary scale points. Calibrated 'In'.
Food-safe product according to regulation (EU) No. 10/2011.

Capacity	Grad.	Tolerance	Diam.	Height	PK	Cat. No.	Price
ml	ml	± ml	mm	mm			GBP
10	0.20	0.2	15	145	1	9.274 408	**4.85**
25	0.50	0.5	22	170	1	9.274 409	**5.42**
50	1.00	1.0	27	200	1	9.274 410	**5.83**
100	1.00	1.0	33	250	1	9.274 411	**6.98**
250	2.00	2.0	44	315	1	9.274 412	**10.77**
500	5.00	5.0	58	360	1	9.274 413	**14.27**
1000	10.00	10.0	69	440	1	9.274 414	**19.49**
2000	20.00	20.0	97	482	1	9.274 415	**35.16**

Bottle top burette Titrette®

- Fast and reliable titration
- Highest precision
- No switching between filling and titration necessary

BRAND

For fast and reliable titration with maximum precision, even where space is limited and independent of a power supply - in the laboratory, in production or on the move. Important for all users who want to work within the error limit of class A according to DIN EN ISO 385, as with glass burettes (e.g. in the pharmaceutical industry).
If required, accurate up to 20 ml to 3 decimal places.

- High accuracy
- Smooth-running operation for sensitive, drop-wise titration and fast filling of the device
- Compact design
- Light and stable, easy handling
- No switching between fill and titrate
- Simple maintenance
- Cleaning and parts replacement right in the lab

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

Volume	Accuracy max. vol.	Precision max. vol.	Interface	PK	Cat. No.	Price
ml	(± R%)	(≤ CV%)				GBP
25	0.07	0.025	without	1	9.271 332	**738.37**
50	0.06	0.02	without	1	9.271 333	**738.37**
10	0.10	0.05	incl.	1	9.271 338	**948.45**
25	0.07	0.025	incl.	1	9.271 334	**948.45**
50	0.06	0.02	incl.	1	9.271 335	**948.45**

Single channel microliter pipettes Acura® *manual* 835, variable

SOCOREX SWISS

- Effortless activation
- Smart and reliable volume adjustment
- Precision digital display visible at all times
- Justip™ adjustable tip ejector fits most tips
- *Swift-set* user calibration system
- Shock, UV-light and autoclaving resistance

Capacity	Increments	Accuracy max. vol.	Precision max. vol.	PK	Cat. No.	Price
µl	µl	(± R%)	(≤ CV%)			GBP
200 - 2000	0.002	0.5	0.2	1	6.230 186	**256.05**
200 - 2000*	0.002	0.5	0.2	1	6.259 412	**275.40**
500 - 5000	0.01	0.6	0.3	1	9.411 598	**263.70**
500 - 5000*	0.01	0.6	0.3	1	7.900 943	**294.75**
1000 - 10000	0.01	0.5	0.2	1	9.411 599	**263.70**

* Pasteur

LLG-Disposable Reagent reservoirs economy, PS

LLG LABWARE

Made from polystyrol. Designed for use with multi-channel pipettes and can accommodate up to 12-channel standard pipettes. Angled sides and a V-shaped bottom allow maximum recovery of reagents. DNase-, RNase- and pyrogen-free certified.

Capacity	Description	PK	Cat. No.	Price
ml				GBP
25	non-sterile, bulk	100	6.282 144	**52.34**
25	sterile, single-packed	100	6.282 145	**97.42**
50	non-sterile, bulk	100	6.282 146	**64.15**
50	sterile, single-packed	100	6.282 147	**127.08**

Pipette tips Qualitix®, natural, autoclavable

SOCOREX SWISS

9.411 449

9.411 502

- DNAse, RNAse, ATP and pyrogen-free tips
- Compatibility with various pipette brands

Capacity	Length	Description	PK	Cat. No.	Price
ml	mm				GBP
2	115.5	Macro tips	500	9.411 501	**78.48**
5	123.2	Macro tips, graduated	500	9.411 449	**83.25**
10	150.0	Macro tips	300	9.411 502	**88.65**

You can find our complete range on our website.

LLG-Volumetric pipettes, soda glass, class AS, 1 mark, blue graduated

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

Nominal capacity	Tolerance	Length	PK	Cat. No.	Price
ml	± ml	mm			GBP
1	0.007	310	10	6.272 207	41.67
2	0.010	330	10	6.272 208	41.76
3	0.010	360	10	6.272 209	42.75
4	0.015	360	10	6.272 210	43.83
5	0.015	400	10	6.272 211	44.82
10	0.020	440	10	6.272 212	49.14
15	0.030	455	10	6.272 213	67.41
20	0.030	510	10	6.272 214	69.48
25	0.030	520	10	6.272 215	71.64
50	0.050	540	10	6.272 216	96.21

Graduated pipettes, AR-glass®, Class AS, amber graduations, type 3
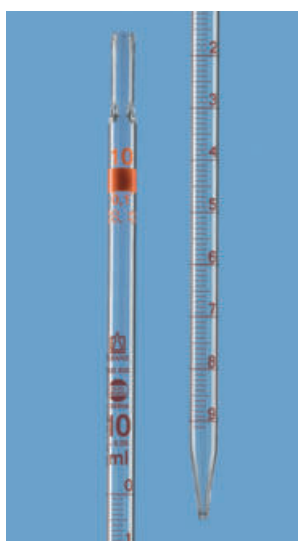
BLAUBRAND® ETERNA, DE-M marking, AR-glass®. DIN EN ISO 835.
Type 3 (Zero point at the top), total delivery. Calibrated to deliver (TD, Ex). Waiting time 5 seconds. Ring mark and inscription in ETERNA amber stain.
All BLAUBRAND® graduated pipettes are supplied with a batch number and an accompanying batch certificate in the original packaging.

Volume	Graduations	Tolerance	Suitable for cotton plugs	PK	Cat. No.	Price
ml	ml	± ml				GBP
0.5	0.01	0.006	-	1	9.272 031	6.98
1	0.01	0.007	-	1	9.272 032	5.49
1	0.01	0.007	+	1	7.018 397	7.61
2	0.02	0.010	-	1	9.272 033	5.49
2	0.02	0.010	+	1	7.018 398	7.61
5	0.05	0.030	+	1	7.060 678	6.62
5	0.1	0.030	+	1	9.272 034	6.44
10	0.1	0.05	+	1	9.272 036	6.62
20	0.1	0.10	+	1	7.018 413	13.50
25	0.1	0.10	+	1	9.272 037	13.50

Pipette controller accu-jet® S

- Precise volume adjustment
- Integrated parking position for parking

For precise pipetting of large and small volumes. The adjustable motor speed allows to switch between free flow and rapid blow-out of the liquid.

- One-hand operation
- For glass and plastic pipettes from 0.1 to 200 ml
- Precise volume setting
- Integrated rest position
- Valve system for exhaust liquid vapours
- Membrane filter and safety valve to protect against fluid penetration
- Robust, powerful motor for fast filling times (25 ml in 3 seconds)
- 8 hours of continuous pipetting with a 10 ml pipette without recharging
- Two-colour battery charge indicator
- Service-friendly and sustainable

Environmental benefits:
Sustainable packaging: Cardboard with approx 90% recycled content
Renewable energy: Production using 100% eco-friendly energy from certified hydro-electric power plants and energy generated on the premises as surplus from a cogeneration unit

Scope of supply:
Pipette controller accu-jet® S, nickel-metal hydride battery, universal adapter (100 - 240 V, 50/60 Hz), with adapters for UK/EU/AUS/US, wall support, 2 sterile spare membrane filters (0.2 µm)

Colour	Description	PK	Cat. No.	Price
				GBP
anthracite	with universal AC adapter	1	4.682 331	312.04
berry	with universal AC adapter	1	4.682 332	312.04
petrol	with universal AC adapter	1	4.682 333	312.04
amethyst	with universal AC adapter	1	4.682 334	312.04
anthracite	without universal AC adapter	1	9.281 073	292.17
berry	without universal AC adapter	1	9.281 070	292.17
petrol	without universal AC adapter	1	9.281 071	292.17
amethyst	without universal AC adapter	1	9.281 072	292.17

LLG-Pasteur Pipettes, PE

Manufactured from transparent PE. Graduated.

Type	Capacity	Length	PK	Cat. No.	Price
	ml	mm			GBP
non-sterile	1	150	500	4.672 670	16.85
non-sterile	3	150	500	4.672 671	17.06
sterile, single-wrapped	1	150	1000	9.401 085	65.88
sterile, single-wrapped	3	150	1000	9.401 084	67.82

Disposable multi-zone sampler PharmaDispo, PS

- Simultaneous extraction from different layers or zones
- Ergonomic one-hand operation
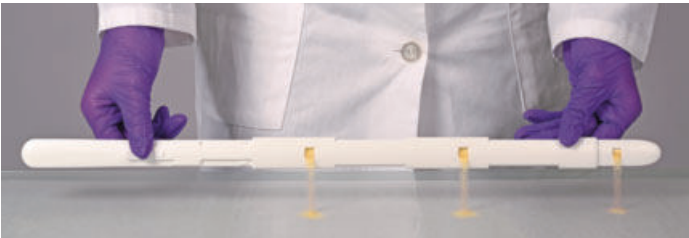
The three separate sampling chambers allow simultaneous sampling from different layers or zones. A sliding mechanism with an end stop makes it easy to open and close the sampler.

- Ergonomic one-handed operation
- Clean room manufactured, individually packaged
- 3 chambers
- Length: 500 mm, penetration depth: 320 mm
- Food safe

New

Sampling Dippers DispoDipper LaboPlast®/SteriPlast®, PP, blue transparent

Cleanroom-manufactured, scaled scoop for sampling, especially for disposable use. The blue colour makes it perfect for use in the food, animal feed and pharmaceutical industries. The can can be sealed liquid-tight after sampling.

- Individually packaged and optionally sterilised by gamma rays (SteriPlast®)
- Production and packaging according to clean room class 7
- Complies with EU food requirements and FDA regulations

Nominal capacity ml	Sterile	PK	Cat. No.	Price GBP
0.05	-	20	4.710 598	137.07
0.1	-	20	4.710 600	137.07
0.5	-	20	4.710 602	137.07
1	-	20	4.710 604	137.07
0.01	+	20	4.710 597	145.98
0.05	+	20	4.710 599	145.98
0.1	+	20	4.710 601	145.98
0.5	+	20	4.710 603	145.98
1	+	20	4.710 605	145.98

Capacity ml	Description	PK	Cat. No.	Price GBP
50	LaboPlast®	20	6.290 524	23.36
50	SteriPlast®	20	6.290 525	30.15
100	LaboPlast®	20	4.662 230	33.66
100	SteriPlast®	20	4.662 231	42.84
250	LaboPlast®	20	4.662 232	38.12
250	SteriPlast®	20	4.662 233	48.60

Micro-Sampler, stainless steel

Without tip. V2A stainless steel. Sterilizable. GMP/FDA compliant. Specially for collecting small amounts of powder.
Volumes of 0.2, 0.5, 1, 2, 5 and 10 ml can be taken simply, quickly and cleanly from different depths of sacks or containers. The Micro-Sampler tips are interchangeable so that tips with different volumes can be used.

Accessories for Micro-Sampler

Tips for Micro-Sampler.

Tube diam. mm	Length mm	PK	Cat. No.	Price GBP
12	550	1	9.303 890	244.62
12	850	1	9.303 891	271.49
12	1200	1	9.303 892	295.52
25	550	1	9.303 895	318.15
25	850	1	9.303 896	343.71
25	1200	1	9.303 897	366.26

Nominal capacity ml	For diam. mm	PK	Cat. No.	Price GBP
0.2	12	1	9.303 900	73.58
0.5	12	1	9.303 901	73.58
1.0	12	1	9.303 902	73.58
2.0	25	1	9.303 905	100.49
5.0	25	1	9.303 906	100.49
10.0	25	1	9.303 907	100.49

Laboratory mixer, BagMixer® 400

interscience

For sample preparation with adjustable paddle system

For sample preparation with an easily adjustable paddle system. The BagMixer® is available in 3 sizes and blends all sample types before their microbial analysis.

BagMixer® 400 P
with a stainless steel door.

BagMixer® 400 W and 400 CC
with see-through glass door.

Click & clean® System
(only BagMixer® 400 CC):
removable and autoclavable
paddles.

All units have a 3-year warranty and life guarantee for shock absorbers and window doors.

400 CC

Type	Volume	Dimensions (W x D x H)	PK	Cat. No.	Price
	ml	mm			GBP
400 P	50 ... 400	260 x 390 x 290	1	6.204 551	2,151.36
400 W	50 ... 400	260 x 390 x 290	1	6.224 287	2,823.21
400 CC	50 ... 400	260 x 420 x 265	1	9.570 098	4,272.12

Blender bags, BagSystem®

interscience

PolySilk 100   P 400

BagLight®: Bag without filter, for all microbiological laboratory applications.

BagPage® and BagPage®+: Homogenizer bag with a micro-perforated filter that extends over the entire width of the sample bag (full-size filter).

BagFilter® P: Bag with non-woven filter (side filter). Removal of the filtered solvent with BagPipet®. With pre-cut for pipetting.

BagFilter® XF: Blender bags with lateral filter. Bag with an ultra-fine lateral filter (<20 µm). Suitable for use with capillary analysis systems (PCR, flow cytometry) and samples with fine particles (powder, dust).

Type	Description	PK	Cat. No.	Price
				GBP
BagLight® PolySilk 100	plain bag, sleeve 25	500	9.570 075	55.58
BagOpen® 400	bag opener	1	9.570 084	87.81
BagLight® PolySilk 3500	plain bag, sleeve 25	500	9.570 077	188.96
BagPage® + 400	full-size filter bag, sleeve 25	500	9.570 081	196.65
BagFilter® P 400	side filter bag, sleeve 25	500	9.570 078	196.65
BagFilter® XF 400	side filter bag, sleeve 25	500	6.325 973	208.79

Disperser OV 625/OV 725 Digital System

VELP SCIENTIFICA

- Quick and easy installation of the dispersing tools
- Overtemperature alarm and alarm in the event of motor failure
- User-friendly, clearly laid out control panel

OV 625

OV 725

Digital disperser for fast homogenizing, emulsifying, suspending, as well as mixing biological samples, pharmaceuticals, cosmetics, and food. The comfortable rotating knob allows precise electronic speed settings and controls up to 25000 rpm.

- User-friendly, clear control panel shows speed parameters at a glance
- Maximum safety in daily laboratory operation thanks to overtemperature alarm and motor failure alarm
- Special alarm indicates improper installation or absence of a dispersion tool
- Quick and easy dispersing tool installation

Scope of supply: Disperser, stand with double rod, dispersing tool D20-S20C-P-R20S, tool disassembly kit

Type	Volume	Rotation speed	Dimensions (W x D x H)	PK	Cat. No.	Price
	ml	rpm	mm			GBP
OV 625	0.2 ... 2,500	3,000 ... 25,000	92 x 130 x 280	1	4.691 690	1,854.00
OV 725	0.2 ... 2,500	2,000 ... 25,000	100 x 235 x 280	1	4.699 483	2,493.90

Ultrasonic baths Elmasonic Xtra

- With stainless steel lid and drain tap
- Automatic safety switch-off with wake-up function
- Eco mode for gentle cleaning with quieter operation

New

Developed for the toughest cleaning tasks, these devices combine the most advanced technology with proven quality and are therefore ideal for applications where high cleanliness and maximum reliability are essential. They effortlessly cope with even the most stubborn dirt such as oils, greases, abrasive pastes or organic contaminants and deliver perfect results. Especially, suitable for continuous use.

- With welded tanks made of cavitation-resistant stainless steel
- Dynamic mode for more intensive cleaning with higher cleaning power
- Sweep and Pulse modes alternately for homogeneous and powerful cleaning
- Eco mode for gentle cleaning with quieter operation
- Timer from 1 to 30 min or continuous operation
- Automatic safety switch-off with wake-up function
- Dry-run detection

Scope of supply: Ultrasonic bath, stainless steel lid, mains cable (2 m), manual

Type	Capacity L	External dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
Xtra 40	4.0	435 x 215 x 330	1	4.705 729	**885.60**
Xtra 60	6.3	500 x 215 x 330	1	4.705 730	**1,439.10**
Xtra 120	14.2	500 x 315 x 380	1	4.705 731	**1,771.20**
Xtra 180	19.7	530 x 380 x 380	1	4.705 732	**2,177.10**
Xtra 300	30.0	700 x 380 x 380	1	4.705 733	**1,033.20**

Insert baskets for ultra sonic cleaning units Elmasonic Xtra, Stainless steel

For bath type	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
Xtra 40	195 x 105 x 95	1	4.688 714	**52.20**
Xtra 60	255 x 105 x 95	1	4.688 715	**63.00**
Xtra 120	250 x 195 x 135	1	4.688 718	**135.00**
Xtra 180*	280 x 255 x 135	1	4.688 720	**157.50**
Xtra 300*	450 x 255 x 135	1	4.688 721	**175.50**

* Plastic handles

Sieve cleaning module SRH 4/200

Sieve cleaning module made of stainless steel with integrated rotary unit for cleaning up to 4 test sieves (Ø up to 200/203 mm) in an ultrasonic bath. The inclined position of the test sieves in the SRH 4/200 ensures a better cleaning and rinsing effect. Thus, the test sieves are cleaned gently and without changing the mesh size or fabric tension. The dimensional accuracy and calibration of the test sieves are maintained at 100%.

For	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
Xtra 300	675 x 295 x 330	1	7.639 092	**1,408.50**

You can find our complete range on our website.

Safety wash bottles, LDPE

The leakproof venting valve ensures that the excess pressure can escape and dripping is prevented.

- Yellow transparent, with light protection
- Safe filling due to wide-necked opening

Capacity	PK	Cat. No.	Price
ml			GBP
500	1	6.251 918	11.16

LLG-Absorbent, oil and chemical binder, granules

Universal chemical and oil binder for all liquids, as well as 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. The safety data sheets of these products are available at www.llg-labware.com.

Capacity	PK	Cat. No.	Price
kg			GBP
0.45	1	4.682 249	37.53

Culture flasks, glass DURAN®, straight neck

DURAN®. Erlenmeyer. Straight neck. Suitable for metal caps. Glass Type I/neutral glass as per USP, EP and JP. With retrace code (Batch Identification). Certificate available via the Internet. Autoclavable.

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.	Price
ml	mm	mm	mm			GBP
100	64	38	114	1	9.010 472	20.42
200	79	38	138	1	9.010 473	21.99
250	85	38	149	1	9.010 474	22.60
300	87	38	161	1	9.010 475	11.19
500	105	38	183	1	9.010 476	14.06
1000	131	38	229	1	9.010 477	29.33

LLG Weighting Rings, Cast Iron, Vinyl Coated

To stabilise glassware in water or oil baths. The vinyl coating prevents vessels and apparatus from being scratched or marked.

For flasks	Int. diam.	PK	Cat. No.	Price
ml	mm			GBP
100 ... 500	48	1	4.682 062	33.21
250 ... 1000	56	1	4.682 063	35.64
500 ... 2000	61	1	4.682 064	41.13
1000 ... 4000	74	1	4.682 065	44.37

Scissors, stainless steel

ideal-tek

| 6.280 910 | 6.280 912 | 6.280 913 | 6.280 914 |

Swiss made, high quality finish, suitable for medical purposes. Length: 90 mm.

Form	PK	Cat. No.	Price GBP
Curved body form (miniature work), extra fine, sharp - sharp	1	6.280 910	27.40
Straight body form (miniature work), extra fine, sharp - sharp	1	4.668 556	27.40
Curved body form, extra fine, sharp - sharp	1	6.280 911	27.40
Straight body form, extra fine, sharp - sharp	1	4.668 573	27.40
Curved body form, round, strong, sharp - sharp	1	6.280 912	27.40
Curved body form, extra fine, strong, sharp - sharp	1	6.280 913	27.40
Straight body form, blunt - blunt	1	6.280 914	27.40

Spatula set, 14-pieces

Hammacher Instrumente

In the zipper case, the spatula is attached with loops.
2 Spoon spatula, 150 mm, 180 mm
3 Micro-spatula, spoon 5 x 7 mm, 100, 150, 185 mm
3 Double spatula, rigid, 130, 150, 185 mm
Micro-powder spatula, flexible, 150 mm
Pharmacist spoon, double-ended, 170 mm
Chemical spoon, double-sided, 150 mm
Weighing spatula, 170 mm
2 Micro-double spatula, spoon-shaped, 130, 150 mm

Type	PK	Cat. No.	Price GBP
HSO 132-00	1	6.312 442	85.05

Micro spoon spatulas, 18/10 steel

ISOLAB Laborgeräte GmbH

Excellent grade polished stainless steel with one end having a flat spatula and the other end having a micro spoon.

Length mm	PK	Cat. No.	Price GBP
150	1	9.150 820	4.38
180	1	4.008 451	4.59
210	1	6.267 816	4.59

Spatulas with a wooden handle, stainless steel

LABORBEDARF BOCHEM LAB SUPPLY

Flexible, long blade as outlined below.

Blade width mm	Blade length mm	Length mm	PK	Cat. No.	Price GBP
18	100	190	1	9.220 610	5.40
20	130	230	1	9.220 613	5.52
22	150	250	1	9.220 615	5.64
32	200	310	1	9.220 620	7.70
42	300	415	1	9.220 630	8.76

You can find our complete range on our website.

LLG-Timer

! Top Sellers!

LLG-Timer pro

LLG-Dual-Timer

LLG-Timer Triple pro

The LLG-Timer can be used simultaneously as real-time clock and timer.
The countdown timer also runs when time is visible.

- Big 6-digit LCD
- Digital stopwatch (counting up)
- Short timer (counting down)
- With memory function
- Stopwatch and countdown up to 23 h 59 min. 59 sec.
- Optical and acoustic alarm when a timer expires
- Incl. magnet for mounting, hanging bracket and stand (fold-out)

Specifications	LLG-Timer pro || LLG-Dual-Timer, 2-channel || LLG-Timer Triple pro
Dimensions (W x H x D):	82 x 68 x 20.5 mm || 97 x 79 x 21 mm || 68 x 88.7 x 16.2 mm
Weight (with battery):	82 g || 95 g || 87 g
Power supply:	2 x AAA 1.5 V (not included)
Warranty:	12 months

Type	PK	Cat. No.	Price GBP
LLG-timer pro	1	6.311 351	16.63
LLG-Dual-Timer	1	6.311 350	15.84
LLG-Timer Triple pro	1	6.313 417	21.02

Interval timer with alarm

Benchtop mechanical timer. Suitable for standing, hanging and in addition on the back of two magnets, which allows the fitting of metal parts. The casing and rotary setting knob are white, the dial is black. Running time max. 60mins. Metal movement.

Dimensions (W x H x D):	70 x 70 x 40 mm

Type	PK	Cat. No.	Price GBP
Interval timer with alarm	1	9.260 020	11.16

LLG-Short period timer with alarm

Easy-to-use combination timer and stopwatch, with large display and alarm function from/up to 99 min. and 59 sec. With a magnet for easy fixing. Battery LR 44 inclusive.

Dimensions (Ø x H):	54 x 16.5 mm
Weight:	approx.40 g

Type	PK	Cat. No.	Price GBP
LLG-Short period timer with alarm	1	9.260 150	9.54

IKA®

Overhead stirrer RW 20 digital

- Robust, ergonomic design with digital display
- With constant power drive
- Two speed ranges for universal use from 60 to 2000 rpm

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

Specifications

Stirring volume max. (H_2O):	20L
Viscosity range:	up to 10000 mPas
Motor rating input/output:	70/35 W
Output max. at stirring shaft:	26 W
Max. stirring shaft torque (at 100 rpm.):	150 Ncm
Speed range I (at 50 Hz):	60 to 500 rpm.
Speed range II (at 50 Hz):	240 to 2000 rpm.
Chuck range:	0.5 to 10 mm
Diameter/length of extension arm:	13 mm/160 mm
Dimensions (W x D x H)	88 x 212 x 294 mm
Weight:	3.1 kg
Protection class acc. to DIN EN 60529:	IP 20
Supply requirements:	230 V 50/60 Hz
Tested to DIN EN IEC 61010-1.	

Type	Plug type	PK	Cat. No.	Price
				GBP
RW 20 digital	EU	1	9.816 622	**1,167.97**
RW 20 digital	UK	1	6.227 717	**1,167.97**
RW 20 digital	CH	1	6.239 372	**1,167.97**

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

Magnetic stirrers/hotplates, multi-position, RT 5/10/15

RT 5
RT 15
RT 10
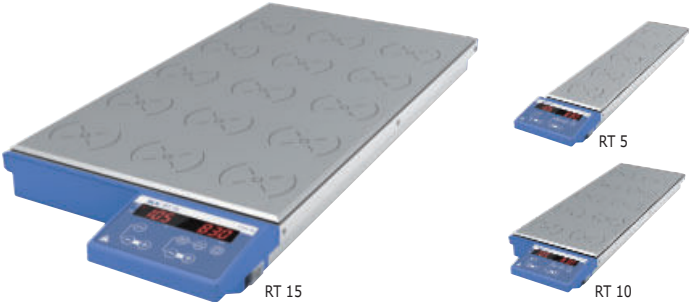
Digital magnetic hotplate stirrers with 5, 10 or 15 positions, designed for synchronous heating and stirring. The magnetic coil technology provides noiseless and consistent stirring in all positions.

- Homogeneous temperature distribution across the heating plate
- Adjustable reverse operation
- Suitable for continuous operation

Specifications

Max. stirring quantity per stirring position (H_2O):	0.4 l
Distance between stirring places:	90 mm
Speed range:	0 to 1000 rpm
Heating rate (1l H_2O in H15):	3 K/min
Temperature range heatig plate:	RT to 120 °C
Max. temperature medium (dep. on vessel):	70 °C
Temperature display:	LED
Heat control accuracy:	±1 K
Speed display:	LED line
Set-up plate material:	aluminium alloy
Protection class acc. to DIN EN 60529:	IP 40
Power supply:	100-240 V, 50/60 Hz

Type	Stirring positions	Dimensions (W x D x H)	Plug type	PK	Cat. No.	Price
		mm				**GBP**
RT 5	5	120 x 610 x 60	EU	1	9.720 603	**2,209.77**
RT 5	5	120 x 610 x 60	UK	1	9.720 604	**2,214.86**
RT 5	5	120 x 610 x 60	CH	1	9.720 605	**2,214.28**
RT 10	10	190 x 610 x 60	EU	1	9.720 606	**2,917.21**
RT 10	10	190 x 610 x 60	UK	1	9.720 607	**2,922.29**
RT 10	10	190 x 610 x 60	CH	1	9.720 608	**2,921.72**
RT 15	15	280 x 610 x 60	EU	1	9.720 609	**3,668.76**
RT 15	15	280 x 610 x 60	UK	1	9.720 610	**3,673.85**
RT 15	15	280 x 610 x 60	CH	1	9.720 611	**3,673.27**

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

The 4-blade diagonal blade agitator ensures an axial flow pattern and increasing shear forces are generated on the agitator blades at higher speeds.

Ø agitator	Ø agitator shaft	Length	PK	Cat. No.	Price
mm	mm	mm			**GBP**
50	8	350	1	9.197 006	**163.80**
100	8	540	1	9.197 009	**201.60**

Dissolver stirring rotors, stainless steel 1.4404
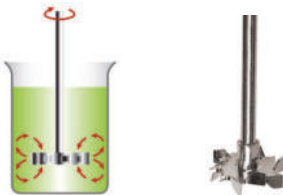
The dissolver stirring rotor creates a radial flow with high turbulence.

Ø agitator	Ø agitator shaft	Length	PK	Cat. No.	Price
mm	mm	mm			**GBP**
40	8	350	1	9.197 007	**453.60**
80	8	350	1	9.197 001	**291.60**

You can find our complete range on our website.

Magnetic mini-stirrers topolino

IKA®

Without heating. Extremely convenient magnetic mini-stirrer for mixing volumes up to 250 ml.

- Durable, brushless motor
- Infinitely variable speed range
- Strong magnetic coupling

Specifications

Stirring quantity max. (H_2O):	250 ml
Speed range:	300 ... 1800 rpm
Permissible ambient temperature:	5 ... 40 °C
Permissible relative humidity:	80%
Material:	PP
Dimensions Top plate (Ø):	80 mm
Dimensions (W x H x D):	95 x 37 x 115 mm
Weight:	0.32 kg
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 21

Type	Plug type	PK	Cat. No.	Price GBP
Topolino	EU/CH	1	9.720 220	**102.38**

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

LLG LABWARE

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

Diam. mm	Length mm	PK	Cat. No.	Price GBP
6	10	10	9.198 910	**11.95**
3	12	10	9.198 766	**12.10**
6	15	10	9.198 919	**12.74**
6	20	10	9.198 920	**14.98**
6	25	10	9.198 925	**15.77**
8	25	10	9.198 767	**16.27**
6	30	10	9.198 930	**17.93**
6	35	10	9.198 935	**19.37**
8	40	10	9.198 940	**20.66**
8	45	10	9.198 945	**21.89**
8	50	10	9.198 950	**24.41**
9	60	10	9.198 960	**26.64**
9	70	10	9.198 970	**32.40**
9	80	10	9.198 980	**36.72**

LLG-Magnetic Stirring Bar Retrievers, PTFE

LLG LABWARE

PTFE-encapsulated stirring bar retriever with strong permanent magnet (Alnico 5), universal chemical resistance. The removal of stirring bars from aggressive liquids prevents the loss of stirring bars. Lower end diameter 10 mm.

Diam. mm	Length mm	PK	Cat. No.	Price GBP
8	150	1	9.197 717	**13.95**
8	250	1	9.197 725	**17.19**
8	270	1	4.008 501	**19.89**
8	350	1	9.197 735	**19.71**

Magnetic stirrers Guardian™ 5000

OHAUS®

- High saftey standard
- Temperature and speed change control
- Monitoring of the maximum temperature

New

e-G52HS07C-K1

e-G52HSRDA-K1

These magnetic stirrers are designed for safety and versatility across research, academic and industrial settings. They offer powerful mixing with premium hardware and software to support users safely and reliably.

- SmartRate™ enables to selection of fast or slow temperature and speed ramp rates
- SmartHeat™ safely controls and monitors the maximum temperature
- SafetyHeat™ assures safety in heating applications with dual monitoring of system health
- With connection for temperature sensor (Pt 100, Pt 1000)
- Run dry protection with an alarm
- Timer from 1 min to 99 h 59 min
- With RS232 interface
- Speed range: 50 ... 1800 rpm

Scope of supply: Hotplate stirrer, temperature sensor Pt 1000, sensor holder kit

Type	Stirring capacity l	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
e-G52HS07C-K1*	20	221 x 329 x 116	1	4.702 915	**792.00**
e-G52HS10C-K1*	22	287 x 402 x 118	1	4.702 916	**1,030.50**
e-G52HSRDA-K1**	20	175 x 259 x 108	1	4.702 917	**733.50**

* square cover plate, **round cover plate

Retort stand bases

To DIN 12892. Steel, powder-coated, 8 mm thick. Rubber feet.
With an M10 bore a hole in the middle of one shorter side.

Width	Depth		PK	Cat. No.	Price
mm	mm				GBP
100	180		1	7.200 420	15.20
130	210		1	9.224 013	17.75
160	250		1	6.076 836	22.01
150	300		1	9.224 015	29.62
200	315		1	9.224 017	36.24

Support rods galvaniser steel

Galvanised steel. External diameter 12 mm. With M10 thread.

Length		PK	Cat. No.	Price
mm				GBP
500		1	9.224 105	12.10
600		1	9.224 106	12.99
750		1	9.224 107	14.51
1000		1	9.224 110	16.49
1250		1	7.095 411	18.59
1500		1	9.224 115	21.12

Support rings, galvanised steel

Closed ring, with bosshead.

Int. diam.	Length		PK	Cat. No.	Price
mm	mm				GBP
50	70		1	4.659 172	20.92
70	70		1	9.225 081	22.91
100	70		1	6.238 844	24.32
130	70		1	7.651 881	26.97

Bosshead

9.224 251

9.224 257

To DIN 12895. Zinc die casting, powder-coated.
For vertical and horizontal clamping.

Description	Jaw opening		PK	Cat. No.	Price
	mm				GBP
Bosshead with steel screws	16		1	9.224 251	7.19
Bosshead with brass screws	16		1	9.224 245	7.55
Double cross boss head with brass screws	20		1	9.224 257	10.57

Clamps

To DIN 12894. B form. Zinc die casting, powder-coated.
With round jaws.

Clamping range		PK	Cat. No.	Price
mm				GBP
25		1	9.224 302	8.25
40		1	9.224 304	8.86
60		1	9.224 306	9.68
80		1	9.224 319	14.00

LLG-Splash heads, straight, borosilicate glass 3.3

Straight, with standard ground cone and socket.

Cone	Socket		PK	Cat. No.	Price
NS	NS				GBP
14/23	14/23		2	4.686 184	42.48
29/32	29/32		1	4.686 185	26.28

Evaporating flasks with conical ground joint, DURAN®

Especially for rotary evaporators, with a centre neck and conical joint, pear-shaped.

Nominal capacity	Socket	Flask diam.	PK	Cat. No.	Price
ml	NS	mm			GBP
50	29/32	56	1	9.196 020	18.21
100	29/32	60	1	9.196 024	22.16
250	29/32	81	1	9.196 036	38.50
500	29/32	101	1	9.196 044	44.36
1000	29/32	126	1	9.196 054	63.89
2000	29/32	158	1	9.196 063	84.08

Rubber Balloon with Hose Connection

DEUTSCH & NEUMANN ‹D&N›

- Latex (NR)
- For Rotary Evaporators
- Suitable for mixture or collection and short-term storage of gases
- For control of air/gas entry or tread out of gas in instruments

Size	Volume		PK	Cat. No.	Price
	litres				GBP
5	approx. 1.5 ... 2		1	9.115 515	51.41
8	approx. 3.5 ... 4		1	7.652 667	74.70

Rotary Evaporator Hei-VAP Core

- Clear display
- Residual heat warning
- Ergonomic handles

An operating concept reduced to the essentials: clear and with direct access to the basic parameters of rotation speed and heating bath temperature at all times. Without vacuum control. For integration into an existing vacuum system or for configuration with an optional vacuum controller.

- Handlift model
- Clear digital display for monitoring the current values and a separate button to display the set values
- Two separate operating knobs for adjusting the rotation speed and heating temperature with an LED ring light system for activity indication
- Activated lock feature prevents inadvertent adjustments
- Residual heat indicator when >50 °C
- Standby button stops all functions and lifts the evaporator flask out of the heating bath on motor lift models

Scope of supply: Flask clamp Easy-Clip, vapour tube, ventilation cap, heating bath, 1-l receiving flask, 1-l evaporating flask. Supplied condenser as indicated.

Specifications
Drive
Speed range:	10 ... 280 rpm
Speed display:	Digital
Stroke displacement:	155 mm
Protection class:	IP 20

Heating bath
Bath volume:	4.5 L
Temperature range:	Ambient ... 210 °C
Power input:	1300 W
Protection class:	IP 67

General data
Max. size evaporating flask:	5 L
Condensing surface:	1400 cm²
Condensing surface XL condenser:	2200 cm²
Power supply:	230 V

Description		PK	Cat. No.	Price
				GBP
G3 Vertical condenser		1	4.666 086	3,507.21

Mini centrifuge LLG-uniCFUGE 3 pro

This compact Mini centrifuge offers versatility, simplicity, safety and ease of usage in just one package and is especially suitable for microfiltration, cell separations and spin-down applications.

- Easy rotor change via magnetic fixing
- Microprocessor-controlled regulation for load-independent accuracy and integrated imbalance control
- Digital display
- Integrated timer
- Starts and stops in seconds
- Lid safety interlock
- Smooth and silent, discreet running

The following types of vessels can be used:
8 x 1.5 ml microtubes
8 x 2 ml microtubes
16 x 0.2 ml PCR tubes

By using the fitting adapter:
8 x 0.2 ml microtubes
8 x 0.5 ml microtubes

Scope of supply: Centrifuge, rotor for 8 x 1.5/2 ml tubes, rotor for 16 x 0.2 ml PCR tubes, adapter for 8 x 0.2/0.5 ml tubes, power adapter (24 V, 1.5 A)

Specifications

Max. RCF:	2000 x g
Max. speed:	1000 ... 6000 rpm
Motor:	brushless DC motor
Max. load:	8 x 1.5/2 ml or 16 x 0.2 ml PCR tubes
Timer:	1 ... 25 min, continuous
Dimensions (W x D x H):	162 x 157 x 116 mm
Weight:	1.1 kg
Power supply:	100 ... 240 VAC, 50/60 Hz

Description	Plug type	PK	Cat. No.	Price
				GBP
LLG-uniCFUGE 3 pro	EU	1	6.263 522	**267.66**
LLG-uniCFUGE 3 pro	UK	1	6.263 527	**275.13**

LLG-Microcentrifuge tubes, PP, with Safe-Lock lid

With a tight-fitting Safe-Lock lid, which prevents unintentional opening of the lid during centrifugation.

- Frosted labelling area on the lid
- RNase- and DNase-free

Volume	Form	Temp. range	PK	Cat. No.	Price
ml		°C			**GBP**
1.5	Conical	-86 ... 121	1000	6.490 852	**20.43**
2.0	Round	-86 ... 121	1000	6.490 853	**23.22**

Mikrocentrifuge Frontier™

- With unbalance sensor
- Powerful, brushless induction motor
- 10 acceleration and deceleration rates

FC5513-K

Compact high-speed microcentrifuge with modern touch-wheel interface. Ideal suited for general laboratory applications.

- Backlit, two-lined LCD
- Powerful brushless induction motor
- 10 acceleration and deceleration rates
- Memory for up to 99 parameters
- Imbalance sensor
- Small footprint

Scope of supply: Centrifuge, angle rotor for 24 x 1.5/2.0 ml tubes or with angle rotor for 18 x 1.5/2.0 ml tubes

Specifications

	FC5513-K || FC5513-L || FC5513R
Max. RCF:	17317 x g || 15994 x g || 17317 x g
Max. Speed:	20 ... 13500 || 200 ...14000 || 200 ... 13.500 rpm
Max. Load:	24 x 1.5/2.0 ml || 18 x 1.5/2.0 ml || 24 x 1.5/2.0 ml
Timer:	10 s ... 99 h 59 min 59 s, continuous
Power consumption:	170 W
Dimensions (W x D x H):	277 x 356 x 236 mm
Weight:	13.1 kg
Power supply:	230 V, 50/60 Hz

Type	PK	Cat. No.	Price
			GBP
FC5513-K	1	6.323 158	**1,534.50**
FC5513-L	1	4.699 640	**1,359.00**
FC5513R	1	4.699 641	**3,595.50**

Fixed angle rotors for micro centrifuges Frontier™ FC5513

Type	For tubes	Lid	PK	Cat. No.	Price
	ml				**GBP**
R-A24X2/13MB	24 x 1.5/2.0 ml	Aerosol-tight	1	6.324 563	**298.80**

Vortex mixers ZX4/WIZARD/TX4 with IR sensor

- IR sensor for sample detection
- Very good chemical resistance

VELP SCIENTIFICA

ZX4

TX4

WIZARD

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

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

ZX4: Analog vortex mixer
WIZARD: Compact, analogue vortex mixer
TX4: Digital vortex mixer with timer and LCD

Scope of delivery: Vortex mixer with mixing head

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

Type	PK	Cat. No.	Price
			GBP
ZX4	1	7.971 461	**189.00**
ZX4 with foam stands	1	4.666 714	**230.40**
WIZARD	1	4.666 536	**220.50**
TX4	1	4.666 537	**269.10**

LLG-Centrifuge tubes, PP

121 °C **LLG LABWARE**

Conical Polypropylene tubes with very good thermal, mechanical and chemical stability.

Centrifugation capacity (Max. RCF):	6000 x g
Height:	120 mm

Description	Capacity	Diam.	PK	Cat. No.	Price
	ml	mm			**GBP**
sterile, single packed*	15	17	50	9.316 062	**17.01**
aseptic, bulk pack	15	17	50	6.263 886	**14.58**
big pack	15	17	500	9.316 063	**108.36**
sterile, single packed*	50	30	50	9.316 064	**23.67**
big pack	50	30	500	9.316 065	**134.01**
aseptic, bulk pack	50	30	50	6.263 887	**15.48**

*Cytotoxicity-free, DNase/RNase- and human DNA-free.

Test tube shaker LLG-uni*TEXER* 1 pro

Ideal for mixing small sample volumes in vessels up to 30 mm in diameter.

- Touch function for short-time operation
- Adjustable speed control for excellent mixing results
- Suction cups ensure a secure hold during vortexing
- Extremely small footprint

Scope of supply: Test tube shaker, universal power supply including adapter for EU and UK

WARRANTY 3 YEARS **LLG LABWARE**

Type of movement:	orbital
Shaking stroke:	4.5 mm
Speed:	0 ... 4200 rpm
Dimensions (WxDxH):	120 x 120 x 103 mm
Permitted ambient conditions:	4 ... 45 °C , 80% RH
Rated capacity:	9 W
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 43

Type	PK	Cat. No.	Price
			GBP
LLG-uni*TEXER* 1 pro	1	6.263 509	**189.72**

Microtitre shaker LLG-uni*PLATESHAKER* 1

WARRANTY 3 YEARS **LLG LABWARE**

The device can be operated in a cold room. Universal fit comes with interchangeable clamps for different microplate sizes.

Scope of supply: shaker, mains adapter, 2 attachments (foam attachment and attachment for microtitre plates), 6 clamps

Specifications
Type of movement:	orbital
Orbital diameter:	2 mm
Speed range:	300 ... 1800 rpm
Max. load:	1 kg
Motor:	brushless DC motor
Timer:	1 ... 99 min, continuous
Power consumption:	15 W
Permissible ambient temperature:	4 ... 40 °C
Dimensions (W x D x H):	127 x 85 x 86 mm
Weight:	1.4 kg
Power supply:	100 ... 230 V, 50/60 Hz

Type	Plug type	PK	Cat. No.	Price
				GBP
LLG-uni*PLATESHAKER* 1	EU	1	6.263 488	**240.03**
LLG-uni*PLATESHAKER* 1	UK	1	6.263 489	**240.03**

Analytical balances Entris® II

SARTORIUS

- Quality "Made in Germany"
- With isoCAL
- High chemical resistance

With many convenience functions for efficiency and accuracy in the laboratory. Quality "Made in Germany".

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

High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreen against an electrostatic charge. All models are also available as approved versions for EU/France.

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

Specifications
Readability:	0.1 mg
Reproducibility:	±0.1 mg
Linearity:	±0.06 mg
Weighing platform:	Ø 90 mm
Weighing space height:	240 mm
Dimensions (W x D x H):	219 x 317 x 345 mm
Weight:	6.2 kg
Power supply:	100 ... 240 V, 50 ... 60 Hz

Type	Weighing range		PK	Cat. No.	Price
	g				GBP
BCE64-1S	0.0001 ... 60		1	4.669 165	**1,459.08**
BCE64i-1S	0.0001 ... 60		1	4.669 168	**1,617.84**
BCE124-1S	0.0001 ... 120		1	4.669 109	**1,549.80**
BCE124i-1S	0.0001 ... 120		1	4.669 112	**1,708.56**
BCE224-1S	0.0001 ... 220		1	4.669 125	**1,655.64**
BCE224i-1S	0.0001 ... 220		1	4.669 128	**1,791.72**

Portable Balances, Scout® SKX

OHAUS

SKX421

SKX8200

- Superior overload protection and practical stackable design for convenient storage
- Bright backlit LCD and 4-button operation make the new Scout easy to see and use
- Multiple connectivity options are available for data logging and communication
- Fast weighing speed and high resolution deliver repeatable and reliable results
- Construction: ABS housing, stainless steel pan, replaceable in-use cover

Type	Capacity	Plate dimensions	PK	Cat. No.	Price
	g	mm			GBP
SKX123	120	diam. 93	1	6.281 344	**495.00**
SKX222	220	diam.120	1	6.281 345	**356.40**
SKX422	420	diam. 120	1	6.281 346	**425.70**
SKX622	620	diam. 120	1	6.281 347	**468.00**
SKX1202	1200	170 x 140	1	6.281 348	**549.00**
SKX2202	2200	170 x 140	1	6.281 349	**589.50**
SKX421	420	diam. 120	1	6.281 350	**209.70**
SKX621	620	170 x 140	1	6.281 351	**236.70**
SKX2201	2200	170 x 140	1	6.281 352	**350.10**
SKX6201	6200	170 x 140	1	6.281 353	**477.00**
SKX8200	8200	170 x 140	1	6.281 354	**287.10**

LLG-Weighing bottles with NS lid, Borosilicate glass 3.3

LLG LABWARE

With writing area.
Available in tall or low shape.

Capacity	Form	Diam.	Height	NS	PK	Cat. No.	Price
ml		mm	mm				GBP
3	Low	25	25	19/12	1	9.300 151	**11.61**
10	Low	35	30	29/12	1	9.300 152	**11.97**
11	Low	40	25	34.5/12	1	9.300 150	**12.60**
20	Low	50	30	45/12	1	9.300 153	**13.41**
29	Low	60	30	50/12	1	9.300 154	**16.29**
9	Tall	25	40	19/12	1	9.300 160	**12.42**
19	Tall	30	50	24/12	1	9.300 161	**12.96**
42	Tall	35	70	29/12	1	9.300 162	**13.32**
66	Tall	40	80	34.5/12	1	9.300 163	**13.68**
105	Tall	50	80	45/12	1	9.300 164	**13.41**

pH meter FiveGo™ F2

F2-Standard kit

Portable pH meter for field work and laboratories. Measurement made easy: A large, well-structured display, intuitive button arrangement and simple menu ensure measurements can be performed in just a few clicks.

Scope of delivery:
F2-Meter: Meter only
F2-Standard kit: Meter with LE438 sensor
F2-Food kit: Meter with LE427 sensor, carrying case

Specifications
pH

Measuring range:	0.00 ... 14.00
Resolution:	0.01
Accuracy:	±0.01

mV

Measuring range:	-1999...1999 mV
Resolution:	1 mV
Accuracy:	±1 mV
Temperature Compensation:	ATC and MTC
Calibration:	3 points, 4 predefined buffer groups
Memory size:	200 measurements, current calibration

Temperature

Measuring range:	0 ... 100 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C
Dimensions (W x D x H):	188 x 77 x 33 mm
IP code:	IP 67 (meter + electrode)

Type	PK	Cat. No.	Price GBP
F2-Meter	1	6.280 111	**328.50**
F2-Standard kit	1	6.280 112	**490.50**
F2-Field kit	1	6.280 113	**553.50**

Technical pH buffer solutions

Colour coded. Tested and certified according to ISO 17025 at 25 °C. Tolerance ±0.02 pH. Information on temperature dependence, batch numbers and expiry date are printed on the label. All buffers are supplied with a detailed certificate of analysis which includes traceability to N.I.S.T. (N.I.S.T. SRM(s) lot number is stated on the certificate).

Capacity ml	pH-value at 25 °C	Colour	PK	Cat. No.	Price GBP
500	2.00	Red	1	4.011 273	**25.77**
500	4.01	Red	1	6.206 907	**25.77**
500	4.60	Yellow	1	6.227 021	**25.77**
500	7.00	Yellow	1	6.229 762	**25.77**
500	9.21	Blue	1	6.205 893	**25.77**
500	10.00	Blue	1	6.229 763	**25.77**

Conductivity meter FiveGo™ F3

F3-Standard kit

Portable conductivity meter for fieldwork. Measurement made easy: A large, well-structured display, intuitive button arrangement and simple menu ensure measurements can be performed in just a few clicks.

Supplied with:
F3-Standard kit: Meter with LE703 sensor
F3-Field kit: Meter with LE703 sensor, carrying case

Specifications
Conductivity

Measuring range:	0.00 µS/cm … 200 mS/cm
Resolution:	Automatic range
Accuracy:	±0.5% of the measured value

Temperature

Measuring range:	0 ... 100 °C
Resolution:	0.1 °C
Accuracy:	±0.5 °C

TDS (Total Dissolved Solids)

Measuring range:	0.01 mg/l … 200 g/l
Resolution:	Automatic range
Temperature compensation:	Linear 0.00 ... 10.00%/°C, reference temperature 20 and 25 °C
Calibration:	1 point, 3 predefined standards
Memory size:	200 measurements, current calibration
Dimensions (W x D x H):	188 x 77 x 33 mm
IP code:	IP 67 (meter + sensor)

Type	PK	Cat. No.	Price GBP
F3-Standard kit	1	6.280 116	**526.50**
F3-Field kit	1	6.280 117	**571.50**

Technical pH buffer solutions, certified reference material (CRM)

Certified reference material

Certified reference material according to ISO 17034. The pH buffer solutions are colour-coded and the uncertainty of measurement of ±0.02 pH was tested at 25 °C. Supplied with detailed certification report which includes traceability to NIST. Lot numbers and expiry dates are printed on the label.

Capacity ml	pH-value at 25 °C	Colour	PK	Cat. No.	Price GBP
500	4.01	red	1	4.695 429	**36.08**
500	4.60	red	1	4.695 430	**36.08**
500	7.00	yellow	1	4.695 431	**36.08**
500	9.21	blue	1	4.695 432	**36.08**
500	10.00	blue	1	4.695 428	**36.08**

You can find our complete range on our website.

Laboratory instrument inoLab® pH 7110

- Fast and reliable pH/mV measurement values
- With AutoRead function
- Large LCD display

WTW
a xylem brand

Basic pH/mV laboratory instrument for all tasks where reliable, accurate readings are required quickly and easily. With a large LCD segment display and an easy-to-read keyboard. The AutoRead function ensures correct and repeatable measurement results. A built-in timer reminds the user of periodical calibration.

Scope of supply: Instrument, mains power adapter, stand

Specifications

Ranges:	All values ±1 digit
pH:	-2.0 ... 20.0 ±0.1 pH
	-2.00 ... 20.00 ±0.01 pH
	-2.000 ... 19.999 ±0.005 pH
mV:	±(1200.0 ±0.3) mV
	±(2000 ±1) mV
Calibration:	1-, 2- or 3 point WTW technical buffer or DIN/NIST
Temperature:	-5.0 ... 105.0 °C ±0.1 °C
Power supply:	Universal power supply 100 to 240 V, 50/60 Hz, 4 x 1.5 V AA or 4 x 1.2 V NiMH rechargeable batteries

Type	Description	PK	Cat. No.	Price GBP
pH 7110	Stand-alone instrument with DIN connection	1	9.920 090	619.97
pH 7110 BNC	Stand-alone instrument with BNC connection	1	9.920 093	620.75
pH 7110 SET 2	Instrument incl. SenTix® 41, buffer 4.7 / 10.01 and 3 mol/l KCl	1	9.920 091	801.86
pH 7110 SET 4	Instrument incl. SenTix® 81, buffer 4.7 / 10.01 and 3 mol/l KCl	1	9.920 092	825.08

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