

PURE WATER WHEREVER YOU NEED IT!

-20%



Plus....

Ziegler lab ice machine -10% too!



Julabo® refrigerated & heating circulators

Get the more advanced EH model with the price tag of the basic!

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VWR® Thermal Cylinders

Single/double block gradient cycling

-18%

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HORIBA U-50 series

Multiparameter water measurement and GPS

-30%

Page 18



VWR® VENTI-Line® drying oven with forced convection

Robust, accurate, reliable

-25%

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VWR CATALYST
We Enable Science Through Services

Calibration and certification

Servicing and repairs

Maintenance contracts

technical.services@eu.vwr.com

Be a Rain Forest Rescuer
with VWR!

See page 2



Celebrate Sustainability with VWR!



Products included in
this promotion
are marked with a tree.

Be a Rain Forest Rescuer...

Spend £1000 on VWR brand
products to preserve the
rain forest!

New!

- Screensaver
- Free gift

go to....vwr.com/environment

VWR® water purification systems



-20%

Puranity units require minimal bench space so you can take water purification right to where you need it. An internal recirculation mode ensures availability of high purity water at any time.

Exchange of ultra-polisher cartridges or pre-treatment cartridges in TU models is easy and quick as no system depressurisation is needed. Feed water monitor in the PU systems maximises lifetime of the ultra-polisher cartridges.



Visit vwr.com to review full specifications.



Enter the 'Cat. No.' into
the powerful search
engine to locate the
product that interests you



Fine relevant information
quickly and easily



Checkout quickly and
securely!

Model	Puranity PU 15	Puranity PU 20	Puranity TU 3/6
Flow rate Type I, max. (l/min)	Max. 1,5	Max. 2	Max. 1
Water production rate, RO, l/h	-	-	3 6
Operating pressure (bar)	2 to 6	0.1 to 6	1 to 6
Conductivity (µS/cm)	0.055	0.055	0.055
Type 2 – conductivity (µS/cm)	-	-	0.067 to 0.1
Type 2 - resistance at 25 °C (MW.cm)	-	-	10 to 15
Type 2 - bacterial retention	-	-	0,99
Resistance at 25 °C (MW.cm)		18,2	
Bacterial content (CFU/ml)		<1	
Particles >0,2 µM/ml		<1	
TOC		5 to 10 ppb, 1 to 5 ppb with UV lamp	
Electrical requirements	90 – 240 V, 50/60 Hz		100 – 240 V, 50/60 Hz
Power consumption (kW)	0.06	0.1	0.06
Feed water connector		3/4" NPT	
WxDxH (cm)	30.5x30x54.5	37x33x61.5	40x30.5x54.5
Temp. min./max. (°C)		2 - 35	
Feed water required	Pretreated tap water by reverse osmosis, ion exchange or distillation		Potable tap water acc. to DIN 2000
Remarks	-	-	6 l reservoir built-in for RO-type water

Systems delivered with required consumables.

Model	PU 15	PU 20	TU 3	TU 6
Basic unit				
Cat. No.	171-1100P	171-1172P	171-1134P	171-1137P
Price (€)	3.213,00	4.601,00	3.591,00	4.499,00
Promo price (€)	2.570,40	3.680,80	2.872,80	3.599,20
Units with UV lamp				
Cat. No.	171-1102P	171-1174P	171-1135P	171-1138P
Price (€)	3.734,00	5.559,00	4.172,00	5.070,00
Promo price (€)	2.987,20	4.447,20	3.337,60	4.056,00
Units with UV lamp and ultrafilter				
Cat. No.	171-1101P	171-1173P	171-1136P	171-1139P
Price (€)	4.162,00	6.141,00	4.703,00	5.621,00
Promo price (€)	3.329,60	4.912,80	3.762,40	4.496,80

If you require an installation service, please contact your local VWR sales office.

NEW



Your guides for reliable
results at great prices.

vwr.com/literature

Top Loading VWR® VAPOUR-Line^{eco} autoclaves

- Inside pressure vessel/case of mirror-finished AISI 304 stainless steel
- User friendly programmer, instructions printed on the front panel
- Fully automatic - GLP functions
- Customisable programs including F° calculation
- Safety: ABS insulating lid with vertical position lock – temperature-dependent lid lock
- Flexible PT100 thermoprobe for VAPOUR-Line^{eco} 50 (fixed for VAPOUR-Line^{eco} 25), can be positioned in liquid load (max. 50 ml recommended)

Conforms to european PED regulations, CE mark. IQ, OQ, PQ documentation available on request.



Model	Cap. (l)	Temp. (°C)	Max. pressure (bar)	Voltage (V)	ØxH int. (mm)	WxDxH ext. (mm)	Weight (kg)
VAPOUR-Line ^{eco} 25	25	134	2,1	230	250x450	550x540x1005	45
VAPOUR-Line ^{eco} 50	50			380 (3 phase)	320x600	550x570x1005	60

Description	Holds	Cat. No.	Price (€)	Promo price (€)
VAPOUR-Line ^{eco} 25 vertical autoclave with 5 personal programs	1× Ecobox-25 or 2× Ecobox-25-mini	481-0671P	3.400,00	3.060,00
VAPOUR-Line ^{eco} 25 vertical autoclave with printer and 5 personal programs		481-0708P	3.690,00	3.321,00
VAPOUR-Line ^{eco} 50 vertical autoclave with 7 personal programs	2× Ecobox-50 or 3× Ecobox-50-mini	481-0665P	6.820,00	6.138,00

Accessories, in stainless steel AISI 304

Description	ØxH (mm)	Max. loading	Cat. No.	Price (€)	Promo price (€)
Ecobox-25 basket	240x420	1	710-0887P	165,00	148,50
Ecobox-25-mini	240x210	2	481-0669P	98,20	88,38
Ecobox-50-mini basket	310x190	3	481-0668P	110,00	99,00



VWR® VAPOUR-Line steam steriliser

- Ideal for media, equipment and waste sterilisation between +98 to +138 °C
- With or without integrated fast cooling for liquids
- Easy to install, operate and service
- TÜV-approved safety locking mechanism

New exhaust air filtration – ideal for biohazard labs*

- Protects microorganisms or genetically modified material blown out of the autoclave into the laboratory during de-aeration phase
- Depth filter with metal housing, sterile filter element 0.2 µm
 - Inline sterilisation of filter element during cycle
 - Filter element certified for 200 batches easily replaced
 - Integrated batch counter

-15%



Model	Cap. (l)	Fast cooling	Power/electr. connection	Cat. No.	Price (€)	Promo price (€)	Cat. No.	Price (€)	Promo price (€)
				Standard models			Integrated exhaust air filter*		
VAPOUR-Line 80	80	X	3 kW, 230 V single phase	481-0689P	8.283,00	7.040,55	481-0782P	10.430,00	8.865,50
VAPOUR-Line 80M				481-0693P	9.180,00	7.803,00	481-0783P	11.260,00	9.571,00
VAPOUR-Line 135	135	X	6 kW, 3~, 400 V	481-0691P	10.119,00	8.601,15	481-0786P	12.130,00	10.310,50
VAPOUR-Line 135M				481-0695P	10.980,00	9.333,00	481-0787P	12.930,00	10.990,50

*Unfortunately this option is not available in the UK and Ireland, for alternatives please contact your local VWR sales office.

For model	Accessory	Cat. No.	Price (€)	Promo price (€)
80/80M	Stacking basket, Ø 40x30 cm	481-0698P	201,00	170,85
	Wire mesh basket, closed bottom, Ø 40x24,5 cm	481-0702P	294,00	249,90
	Waste bucket, Ø 40x30 cm	481-0699P	501,00	425,85
135/135M	Stacking basket, Ø 48,5x30 cm	481-0700P	275,00	233,75
	Wire mesh basket, closed bottom, Ø 48,5x24,5 cm	481-0703P	339,00	288,15
	Waste bucket, Ø 48,5x30 cm	481-0701P	886,00	753,10



KINEMATICA POLYTRON® homogeniser

Excellent for the budget conscious laboratory that needs the versatility provided by a high powered motor to cover 80% of all lab applications with working volumes from 0,05 ml up to 2,5 l.

- Efficient sample preparation with smallest size of particle and droplets
- Standard and customised aggregates available, perfected for and in co-operation with the users
- All around easy handling
 - 500 W motor with speed regulation from 500 to 30 000 rpm
 - Quick coupling with 'Click & Go' mechanism
 - EasyClean design of aggregates makes cleaning very simple

Special prices



Description	Size (mm)	Cat. No.	Price (€)	Promo price (€)
POLYTRON® PT2500E drive with stand ST-P 20/600	Drive only - 157x76x234	431-9362P	846,00	719,10
Aggregate PT-DA 12/2EC-E157	Ø 12x157	431-9360P	619,00	526,15
Aggregate PT-DA 20/2EC-E192	Ø 20x192	431-9361P	619,00	526,15



VWR® Star-Beater

Ball mill – homogeniser - cell disruptor - bone grinder....

PTFE, steel and stainless steel round and square jars up to 50 ml for hard, soft, dry or wet samples.

- Quick sample preparation with excellent results
- Robust design without shaking at max. speed
- Vibrating frequency 3 - 30 Hz
- Time setting: 5 s to 60 min or continuous



**Star-Beater & jar -15%,
balls -40%**

Description	Cat. No.	Price (€)	Promo price (€)
Star-Beater	412-0167P	3.785,00	3.217,25
Jar, 50 ml - INOX (pk 2)	412-0173P	447,00	379,95
Stainless steel grinding balls INOX (pk 2)	412-0193P	75,20	45,12

Rotary evaporators, RV 10 digital

The RV 10 digital comes with a new universal heating bath, vertical glassware, state-of-the-art safety features and digital connectivity.

The condenser unit has glass tubes designed to maximise use of 1500 cm² surface for extreme efficiency.

Universal water/oil heating bath controlled by IR from main unit.

- Smooth start function
- Vertical glassware, (coated and non-coated available)
- Left-right interval or timer function
- Safety temperature circuits, dry run protection and stop-lock function on bath
- Motorised lift with automated lift-out function in case of power failure plus lower-end stop

Unit supplied with HB heating bath.

Model	Glassware type	Cat. No.	Price (€)	Promo price (€)
RV 10 digital V	Vertical glassware	531-0905P	3.188,00	2.869,20
RV 10 digital V-C	Vertical glassware, coated	531-0910P	3.454,00	3.108,60
RV 10 digital FLEX	Woulff bottle	531-0913P	2.390,00	2.151,00

VWR®
COLLECTION

IKA®



IKA® rotary evaporator packages

-10%



New enhanced RV 10 control rotary evaporator with automatic detection of boiling points and direct connection to speed-controlled vacuum pump for reduced process time, significantly reduced noise level and increased overall performance.

The gentle maintenance of the vacuum level prevents over or undershooting of the target vacuum level and the unit also manages the cooling water flow as it's needed for more efficient and safer distilling processes.

- Motorised lift with safety lift-out function
- Smooth start/interval rotation – clockwise and anti-clockwise
- Recovery rate up to 100%
- Universal oil/water heating bath with settings lock function
- Program function for up to 10 individual procedures
- Dry run control and safety temperature circuit
- High performance cooling condenser

Motor type/input	Brushless DC drive motor 50 W
Speed range (rpm)	20 – 280, digital display
Head angle adjustable	0 to 45°
Stroke displacement	140 mm, motorised
Setting of lower end stop	60 mm, contact-free
WxDxH (mm) / weight without glass (kg)	530x410x430 / 21.5
Permissible ambient temp. (°C)	+5...+40
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 20
Voltage / frequency	220 – 240 V / 50/60 Hz

Unit supplied with heating bath HB 10, speed controlled pump N 920 and choice of glassware.

Model	Glassware type	Cat. No.	Price (€)	Promo price (€)
RV 10 control V auto	Vertical glassware	531-0883P	6.406,00	5.765,40
RV 10 control V-C auto	Vertical glassware, coated	531-0886P	6.639,00	5.975,10
RV 10 control FLEX auto	Woulff bottle	531-0987P	6.173,00	5.555,70

VWR® recirculating chillers

- Operating range: -10 to +40 °C
- Up to 2,7 kW heat removal

-10%



VWR®
COLLECTION

Model	HP	Cooling cap. (W @ 20 °C)	Cat. No.	Price (€)	Promo price (€)
Positive displacement pump					
1171PD	1/4	700	462-7032P	2.979,00	2.681,10
1173PD	1/3	1280	462-7034P	3.244,00	2.919,60
1175PD	1/2	1775	462-7037P	3.428,00	3.085,20
1177PD	3/4	2200	462-7039P	3.836,00	3.452,40
1179PD	1	2650	462-7041P	4.417,00	3.975,30
Magnetic drive centrifugal pump					
1171MD	1/4	800	462-7033P	2.979,00	2.681,10
1173MD	1/3	1180	462-7035P	3.244,00	2.919,60
1175MD	1/2	1775	462-7036P	3.428,00	3.085,20
1177MD	3/4	2250	462-7038P	3.836,00	3.452,40
1179MD	1	2750	462-7040P	4.417,00	3.975,30



Julabo® refrigerated & heating circulators

- Working temperature range of up to +150 °C
- Adjustable high temperature cut-off, low level protection
- Classification III (FL) according to DIN 12876-1 (for flammable bath fluids)
- Countdown timer
- ATC 1-point calibration

Excellent for general applications such as immersing samples for temperature studies as well as external temperature control applications such as viscometers, fermenters and rotary evaporators.

Get the more advanced EH model with the price tag of the basic!



EH immersion thermostat, RT to 150 °C ±0,03 °C, 2 kW heating capacity.

WxDxH (mm)	Weight (kg)	Cat. No.	Price (€)	Promo price (€)
130x150x330	3,3	461-0418P	940,00	846,00

Stainless steel baths and circulators, RT to 150 °C ±0,03 °C, 2 kW heating capacity.

Model	Cap. (l)	WxDxH (mm)	Bath WxDxH (mm)	Cat. No.	Price (€)	Promo price (€)
EH-5	4,5	170x330x360	150x150x150	461-0430P	1.443,00	1.298,70
EH-13	13	390x330x370	180x300x150	461-0431P	1.522,00	1.369,80
EH-19	19	570x330x370	360x300x150	461-0432P	1.574,00	1.416,60
EH-27	27	570x370x420	360x300x200	461-0433P	1.708,00	1.537,20
EH-33	33	910x330x380	670x300x150	461-0434P	2.538,00	2.284,20
EH-39	39	540x340x520	360x300x300	461-0435P	2.573,00	2.315,70

Refrigerated and heating circulators, temperature stability ±0,03 °C, heating capacity 2 kW.

Model	Temp. from (°C)	Temp. to (°C)	Cooling cap. (kW)	Cap. (l)	Bath WxDxH (mm)	WxDxH (mm)	Cat. No.	Price (€)	Promo price (€)
F25-EH	-28	150	0,26; 0,2; 0,06	4,5	120x140x140	230x420x610	461-0443P	3.424,00	3.081,60
F32-EH	-35		0,45; 0,39; 0,15	8	180x120x150	310x420x640	461-0450P	3.999,00	3.599,10
F33-EH	-30		0,5; 0,32; 0,12; 0,03	16	230x140x200	360x460x690	461-0446P	4.344,00	3.909,60
F34-EH	-30		0,45; 0,32; 0,14	20	240x300x150	380x580x620	461-0449P	4.366,00	3.929,40
F38-EH	-35	80	0,92; 0,66; 0,32	45	350x410x270	460x700x890	461-0452P	6.700,00	6.030,00

3 year warranty



Ziegra lab ice machine

-10%

Plug and play air or water cooled ice machine for production of 70 kg ice/day; integrated stainless steel storage tank holds 35 kg ice, strong PU insulation, easy to clean.

Consistent ice temperature at -0.5 °C generates no under cooling or freezer burn.

- Stainless steel 1.4301
- HygienePlus automatic water drain for connection to demineralised or mains water

15 years spare parts supply guaranteed

Size (mm)	Cat. No.	Price (€)	Promo price (€)
460x600x910	474-1205P	4.880,00	4.392,00

Micro-Ice provides quick but gentle cooling to 0 °C, for test tubes or when added to liquids. Micro-ice plus other optional accessories for easy and customised installation need to be ordered separately. Contact your local VWR office for more information or visit vwr.com.

VWR CATALYST
We Enable Science Through Services

Need IQ/OQ/PQ for your freezers or refrigerators?

Contact us: technical.services@eu.vwr.com



NEW



TSX ULT freezer from Thermo Scientific®

Sample protection, energy savings and environmentally friendly features

V-drive technology ensures temperature uniformity continually adapts to the lab's environment. This offers significant energy savings (up to 50%), without compromising sample protection – consumes only 8.7 kWh/day (standard mode).

Water-blown foam insulation eliminates the refrigerant out-gassing, common in other foam products. Manufactured in an award winning, zero waste to landfill facility (93% recycling, 7% waste to energy).

- Environmentally friendly natural refrigerants for lower environmental impact and higher cooling efficiency
- Maximise space for sample storage - 600 box capacity in only 1.06 m² footprint
- Whisper quiet operation in comparison to other standard freezers

For more information or a quotation please contact your local VWR sales office.

Description	Power	Cat. No.	Price (€)	Promo price (€)
TSX ULT freezer, -86 °C	230 V/50 Hz	471-1119P	16.964,48	14.420,00

ARPEGE CryoMemo

ARPEGE vessels by Air Liquide have been designed for long-term storage of biological samples in straws, vials and bags with a user friendly interface for complete security.

- Complies with the EC Medical Directive 93/42 EEC
- Lightweight aluminium/composite material construction for longer holding time
- Security lid with a lock point
- Choose your own inventory system to adapt it to your own needs (please order separately*)
- Clip system on racks secures samples boxes

All units supplied with level and temperature Indicator, server option, 4 – 20 mA and RS485 output for telemonitoring and MEMO traceability.



-25%

Liquid phase vessels.

ARPEGE	LN ₂ cap. (l) in liquid phase	Automatic filling option	Degassing option	Cat. No.	Price (€)	Promo price (€)
40	40	x	x	478-0751P	4.236,83	3.813,15
70	40	x	x	478-0754P	5.595,60	5.036,04
	72	Yes	x	478-0755P	7.129,07	6.416,16
	72	Yes	Yes	478-0756P	7.579,07	6.821,16
110	116	x	x	478-0738P	5.890,71	5.301,64
	116	Yes	x	478-0739P	7.445,26	6.700,73
	116	Yes	Yes	478-0740P	7.895,26	7.105,73
140	144	x	x	478-0743P	6.388,16	5.749,34
	144	Yes	x	478-0744P	7.931,07	7.137,96
	144	Yes	Yes	478-0745P	8.381,07	7.542,96
170	172	x	x	478-0748P	6.597,21	5.937,49
	172	Yes	x	478-0749P	8.199,54	7.379,59
	172	Yes	Yes	478-0750P	8.649,54	7.784,59

Gas phase vessels.

ARPEGE	LN ₂ cap. (l) in gas phase	Automatic filling option	Degassing option	Cat. No.	Price (€)	Promo price (€)
70	15	Yes	x	478-0752P	7.809,34	7.028,41
	15	Yes	Yes	478-0753P	8.259,34	7.433,41
110	15	Yes	x	478-0736P	8.125,53	7.312,98
	15	Yes	Yes	478-0737P	8.575,53	7.717,98
140	20	Yes	x	478-0741P	8.631,35	7.768,22
	20	Yes	Yes	478-0742P	9.081,35	8.173,22
170	20	Yes	x	478-0746P	8.921,04	8.028,94
	20	Yes	Yes	478-0747P	9.371,04	8.433,94

Description	Cat. No.	Price (€)	Promo price (€)
Standard roller base ARPEGE 40/55/75	479-0852P	291,94	262,75
Roller base for ARPEGE 70/110/140/170	478-0466P	360,96	324,86

*For more information on the inventory systems please contact your local VWR sales office.





VWR® rocking platform shakers and 3D rotator wavers

-15%

- Touch pad controls for speed, tilt angle, and time
- LED displays for speed/tilt angle and time
- Heating models have LED display for temperature and control from ambient +5 to 65 °C
- Continuous or timed mode
- Timer with audible alarm, 1 s to 160 h
- Electronic tilt adjustments allows for angle adjustment during operation

Model	Rocking platform shakers	3-D rotator waver
Motion	Back and forth	3-D waving
Speed range (rpm)	1 - 50	1 - 30
Tilt angle	0 - 15°	0 - 20°
Weight cap. (kg)	4,5	2,3



Model	Cat. No.	Price (€)	Promo price (€)
Rocking platform shaker	444-0756P	1.092,00	928,20
Incubating rocking platform shaker	444-0762P	2.173,00	1.847,05
3-D rotator waver	444-0759P	1.469,00	1.248,65
Incubating 3-D rotator waver	444-0765P	2.387,00	2.028,95

VWR® Professional 3500 incubating shaker

Exceptional temperature uniformity for a variety of shaking and incubating applications including cell culture with patented Accu-Drive Shaking and Opti-Flow Forced Ventilation system.

Maintenance-free, triple eccentric drive provides reliable service and continuous duty operation. Temperature calibration mode allows the user to calibrate the unit to an external temperature device.

Temp. range (°C)	Ambient +5...+100
Temp. uniformity (°C)	±0,5 at 37
Speed range (rpm)	15 - 500
Orbit (mm)	19
Max. weight capacity (kg)	15,9
Cat. No.	444-7084P
Price (€)	4.101,00
Promo price (€)	3.690,90

-10%

2 year warranty



Thermo Scientific™ MaxQ™ 6000 orbital shakers

Reliability: Triple eccentric drive

Flexibility: Digital with incubation or refrigeration

Simplicity: All parameters are shown on interface

-10%

- Stack two high for double capacity and small footprint
- Electrical outlet inside for hotplate, stirrer, etc.
- Choose double shaking capacity with a dual tiered platform or keep extra shelf space
- Variable speed control: 15 to 500 rpm
- Continuous or timed operation: 0.1 h up to 999 h or 0.1 min to 999 min
- Choose platforms and accessories for almost any application and vessel type



Supplied without platform or clamps.

Description	Cat. No.	Price (€)	Promo price (€)
MaxQ™ 6000 incubating shaker	444-0650P	8.913,00	8.021,70
MaxQ™ 6000 refrigerated incubator shaker	444-0651P	10.032,00	9.028,80
Universal platform (457×457 mm) for MaxQ™ 6000 shakers	444-0300P	303,00	272,70
Flask clamp starter kit - includes a microplate clamp; 2x125 ml, 4x250 ml 4x500 ml, 1x 1 l and 2x 2 l flask clamps	444-0706P	491,00	441,90

-20%



VWR® INCU-Line® Premium cooled incubator

Stainless steel unit (incl. shelves), 30 mm access port, internal LED light and internal socket. Forced air convection.

- Temperature data displayed in tabular or graphic form, USB port for saving to flash drives
- Access control via login, 20 user-program memory, 7 day programming
- Ethernet connection and remote control via Internet
- Adjustable heating/cooling system and fan speed (50 to 100%)
- Real time clock, door lock and open door alarm
- Over-/under-temperature protection (safety thermostat class 3.3)



Supplied with Ethernet cable, test certificate (data measured at 37 °C) and Premium Control Software.

Model	IL 150R	IL 250R
Temp. range (°C)	+3...+70	
Temp. fluctuation (time) at 37 °C (°C)	±0,2	±0,3
Temp. variation (spatial) at 37 °C (°C)	±0,8	±1,0
Cap. (l)	143	245
Convection type	Forced	
Weight (kg)	63	84
Shelves supplied (max.)	3 (4)	4 (6)
Int. W×D×H (mm)	520×400×660	520×400×1060
Ext. W×D×H (mm)	620×640×920	620×640×1320
Nominal power consumption (W)	170	330
Cat. No.	390-0730P	390-0732P
Price (€)	2.469,00	2.775,00
Promo price (€)	1.975,20	2.220,00

Additional stainless steel shelf for both models.

Cat. No.	Price (€)	Promo price (€)
390-0735P	94,90	75,92

BINDER KB series cooled incubators

Preheating chamber technology with a temperature range from -5 to +100 °C.

- Controller with time segment and real time programming
- Adjustable fan speed
- Temperature safety device class 3,1 (DIN 12880) with visual and acoustic alarm
- Tightly sealed inner glass door
- RS422 interface
- Equipped with 2 stainless racks
- Door heating system in models from KB 240 and larger

-25%



Model	Cap. (l)	Cat. No.	Price (€)	Promo price (€)
KB 23	20	390-6076P	4.001,00	3.000,75
KB 53	53	390-6080P	4.345,00	3.258,75
KB 115	115	390-6081P	5.193,00	3.894,75
KB 240	247	390-0329P	7.454,00	5.590,50
KB 400	400	390-0379P	8.340,00	6.255,00
KB 720	698	390-0358P	11.340,00	8.505,00

Thermo Scientific™ Heracell™ VIOS CO₂ incubator cell culture package

Heracell VIOS 160i CO₂ incubator plus free Thermo Scientific CO₂ resistant orbital shaker with universal platform and clamp starter kit. Choose between two incubator interior versions; stainless steel or 100% solid copper.

VIOS 160i CO₂ incubator:

- THRIVE™ active airflow
- ISO Class 5 HEPA air filtration
- Steri-Run™ sterilisation cycle at 180 °C
- TC sensor
- Interior volume: 165 l

CO₂ resistant orbital shaker:

- Small footprint and minimal heat dissipation
- Stainless steel construction
- External control box with LED display

Flask clamp starter kit includes:

- 2 x 100 ml
- 4 x 250 ml
- 4 x 500 ml
- 2 x 1 l
- 2 x 2 l



-20%

Heracell VIOS CO ₂ incubator cell culture package - interior	Cat. No.	Price (€)	Promo price (€)
Stainless steel	390-0912P	8.800,00	7.040,00
100% solid copper	390-0913P	9.900,00	7.920,00

VWR® Micro Star 17/17R microcentrifuges

Quiet and powerful performance up to 17 000 xg

- Autoclavable 24-place rotor for 1.5/2.0 ml tubes
- ClickSeal® bio-containment rotor lid keeps you and your samples safe
- Easy operation; intuitive controls and bright, easy to read display

Model	Micro Star 17	Micro Star 17R
Max. speed (rpm)	13 300	17 000
Max. RCF (g)	17 000	17 000
Timer (min)	1 - 99; 1 min increments + Hold mode	
Temp. (°C)	-	-9 ... +40
Max. noise level (dBA)	<56	<50
WxDxH (mm)	225x243x352	330x295x445
Weight (kg)	10,5	28
Cat. No.	521-1646P	521-1647P
Price (€)	1.581,00	3.805,00
Promo price (€)	1.185,75	2.853,75

-25%



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COLLECTION

Adapters- supplied in packs of 24.

Tube type	Cat. No.	Price (€)
0,2 ml PCR tubes	521-1655P	33,20
0,5 ml tubes	521-1657P	33,20
0,4 ml tubes	521-1656P	33,20



VWR CATALYST
We Enable Science Through Services

Need a centrifuge maintenance contract?

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Thermo Heraeus™ Megafuge® cell culture packages

-25%

- Auto-Lock® III rotor system for fast rotor installation/exchange
- ClickSeal® biocontainment lids for simple one handed operation

Choose from 4 packages to suit your requirements

- **Megafuge 40/40R** packages include TX-1000 swing-out rotor, set of 4 buckets with ClickSeal lids, 4x 50 ml and 4x 15 ml conical tube adapters
- **Megafuge 16/16R** packages include TX-400 swing-out rotor, set of 4 buckets with ClickSeal lids, 4x 50 ml and 4x 15 ml conical tube adapters



HIGHConic™ II – rotor 6x 100ml sealed to fit all models.

Cat. No.	Price (€)	Promo price (€)
521-1358P	2.056,10	1.542,08

Additional rotors and accessories are available on request.

Model	Megafuge 40	Megafuge 40R	Megafuge 16	Megafuge 16R
Max. capacity	4x 1000 ml (40x 50 ml conical or 96x 15 ml conical tubes)		4x 400 ml (16x 50 ml conical or 36x 15 ml conical tubes)	
Max. speed / RCF	4200 rpm / 4121 xg		5000 rpm / 4696 xg	
Programs	6, direct access and labels			
Timer	H, Min, Hold			
Temp. set range (°C)	Ambient, ventilated	-10...+40	Ambient, ventilated	-10...+40
HxWxD (mm)	360x565x670	360x745x670	360x440x605	360x623x605
Cat. No.	521-2057P	521-2058P	521-2064P	521-2065P
Price (€)	8.682,00	11.542,00	6.703,00	8.930,00
Promo price (€)	6.511,50	8.656,50	5.027,25	6.697,50

VWR® PCR Workstation

A clean environment for PCR sample preparation.

- Active decontamination of work surface
- Additional inactivation of aerosol-bound contaminants
- Large working area of 72x54 cm in stainless steel
- 4 internal power outlets for operating lab equipment
- TÜV tested, safety certified

-20%

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COLLECTION



Cat. No.	Price (€)	Promo price (€)
732-2541P	2.346,00	1.876,80



- Latest technology for outstanding performance
- Reliable, reproducible results
- 16 individually controlled Peltier elements
- FlexGradient™ technology

Perfect cycling



Doppio gradient
(2x 48-well)

UNO96 gradient (96-well)

Max. heating/cooling rate	5 °C/s
Uniformity	±0.2 °C (at 72 °C)
Accuracy	±0.1 °C



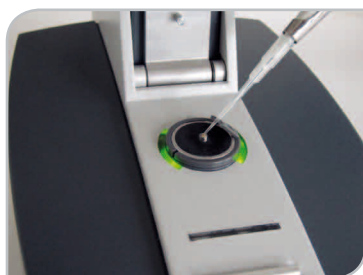
Description	Cat. No.	Price (€)	Promo price (€)
UNO96 gradient	732-2549P	6.131,00	5.027,42
Doppio gradient	732-2552P	6.855,00	5.621,10

VWR® mySPEC microvolume spectrophotometer

Just pipette, measure and wipe!

- Requires just 1 µl of sample
- 'Twin' version available combining microvolume and cuvette
- Large dynamic range from 2 ng/µl to 15 µg/µl (ds DNA)
- Complete spectral range (190 – 840 nm)

FREE touch screen!*



Description	Cat. No.	Price (€)	Promo price (€)
mySPEC Touch	732-2534P	11.130,00	9.170,00
mySPEC Twin Touch (with cuvette option)	732-2536P	12.200,00	10.260,00

*Buy either of the two touch screen models below for the price of a standard unit without screen.



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your thermal cycler?**

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Need calibration for thermometers and dataloggers?

Contact us: technical.services@eu.vwr.com



VWR® double beam spectrophotometer, UV-6300PC

Special price

VWR COLLECTION

This powerful unit is an all round top performer in a host of different applications, from research to pharmaceutical labs, QC to new material development, in English, French, German or Spanish.

UV-Vis Analyst software has all the functionality of a stand-alone unit plus more powerful data processing, expanded data collecting and storage capability. USB connection to PC or memory stick with internal memory for 200 results and 200 standard curves. Parallel/16-pin interface for printer/accessory.

- Basic functionalities:
 - Photometric mode
 - Quantitative test (standard curve)
 - Wavelength scanning
 - Kinetics
 - DNA/protein
 - Multiwavelength test
 - System utility
- Deuterium and tungsten lamps
- Wavelength range: 190 – 1100 nm (accuracy 0.3 nm), bandwidth 1 nm
- Stray light: $\leq 0.05\%$ T @ 220 nm and 360 nm
- Photometric range: 0 - 200% T, -0.3 to +3.0 A, 0 - 9999 C
- Photometric accuracy: $\leq 0.3\%$ T or 0.002 A @ 1 A
- Baseline: 0.001 A (200 to 1000 nm)
- Stability: 0.001 A/h @ 500 nm



320x240 dot matrix LCD display



Spectrophotometer UV-6300PC supplied with UV-Vis Analyst software, instruction manual, 4 optical glass cells, 2 quartz cells and dust cover.

Cat. No.	Price (€)	Promo price (€)
634-6041P	4.539,00	3.631,20



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We Enable Science Through Services

VWR CATALYST SERVICES

Delivering complete solutions in and around the laboratory and production area

Please visit us at: vwr.com/vwrcatalyst

BA310MET-T trinocular model

The Motic BA310MET-T is a trinocular upright microscope, suitable for a variety of samples in many disciplines, and is equipped with both transmitted and epi-illumination.

Epi-Illuminator with a 12 V/50 W quartz halogen with integrated field and aperture diaphragms and external lamp house for a powerful adjustable light source ideal for all reflective samples.

Easy replacement of the halogen bulb with an LED module of different colour temperatures (4500 K, 6000 K) provides additional options. A built-in field diaphragm and aperture diaphragm help to optimise image quality by reducing stray light and increasing contrast.

A transmitted light option that allows easy handling and viewing also of transparent samples and greatly increases the number of biological applications (Koehler illumination quartz halogen 6 V/30 W with intensity control).

- Trinocular head Siedentopf type, 30° inclined, 360° swivelling, (light split 100:0/20:80)
- Widefield high eyepoint eyepieces, N-WF10x/20 mm with diopter adjustment on both eyepieces and rubber eyecups
- Reversed quintuple revolving nosepiece
- CCIS LM plan achromatic objectives, LM PL 5x, 10x, 20x, 50x
- Coaxial coarse and fine focusing system with tension adjustment
- 3"x2" stroke stage with a 75x50 mm range and a 240x140 mm stage area with glass plate
- Focusable Abbe condenser N.A. 0.5 with iris diaphragm



Supplied with 45 mm blue filter, 32 mm blue, yellow and frosted filters, power cord, Allen hexagonal key and vinyl dust cover.

Cat. No.	Price (€)	Promo price (€)
630-2605P	3.359,00	2.687,20

TubeFiller -15%



Biotoool Swiss TubeFiller

Designed to reduce repetitive manual filling of any format laboratory racked tubes with a cost effective solution – no Z-axis!

- Very stable filling arm with 2 side rails for best position recovery
- Precise XY position axes with easy manual height adjustment
- Variable rack frame takes 96-well format racks with glass tubes, to beaker/bottle holders etc. up to 25 cm tall
- Intuitive software for simple set-up stored for future use via drag and drop menu
- Integrated pump
- True walk away tube/bottle filling for high throughput
- 2100 cm² free usable surface
- Integrated laser tracking of exact rack position by checking the first and the last tube in the rack

Supplied with software, tubing set, fixation grid, connection cable to PC/notebook and integrated pump head.

Description	Cat. No.	Price (€)	Promo price (€)
TubeFiller unit	710-1563P	15.990,00	13.591,50
Positioning grid incl. silicone base mat	710-1566P	536,00	

Pall Laboratory Sentino™ microbiology pump system

-20%

Ideal for microbiological MF techniques using Pall's MicroFunnel™ filtration units without the need for costly extensive validations.

- Pre-set operating parameters satisfy published requirements in US EPA, ISO and ASTM methods
- Peristaltic action:
 - Draws sample through filter
 - Sends filtrate directly to drain or waste collection
 - Disposable fluid path eliminates autoclaving saving you valuable time



Sentino™ microbiology pump system, supplied with disposable fluid path, power transformer, power cord with IEC-320 connection and user guide.

Cat. No.	Price (€)	Promo price (€)
516-0416P	1.600,00	1.280,00



Synbiosis aCOLyte 3 colony counter

-20%

Low cost automated unit for rapid counting of pour, spread and spiral plates up to 90 mm.

- Get precise plate counts up to 10x faster than manually
- Transfer data (USB) for GLP compliance
- Software independently validated as a highly accurate colony counting package
- Lit by white LEDs above/below plate
- Detects colonies as small as 0.3 mm

Description	Cat. No.	Price (€)	Promo price (€)
aCOLyte 3 colony counter	710-0992P	3.890,00	3.112,00

**Detachable screen available, please ask your local VWR sales office for details or go to vwr.com.*

VWR® SAS Super ISO microbiological air samplers

Environmental microbiological monitoring, including control and validation of cleanrooms, isolators and restricted access barriers (RABS).

- More representative air samples: You can program the sampling time from a few minutes to several hours
- Over 70 000 l of air with up to 300 memorised sampling cycles
- Design avoids turbulence in unidirectional airflow and re-aspiration of tested air
- Total traceability - IQ/OQ/PQ validation protocols available

-20%

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USP chapter 1116 and ISO 14698-1 compliant

Battery charger and head need to be ordered separately.

Plate type	Airflow (l/min)	Cat. No.	Price (€)	Promo price (€)
SAS Super ISO 100				
For contact plates	100	710-0871P	3.120,00	2.496,00
For Petri dishes		710-0869P	3.230,00	2.584,00
SAS Super ISO 180 - ideal for cleanrooms where contamination lower so a larger volume needs to be collected				
For contact plates	180	710-0872P	3.120,00	2.496,00
For Petri dishes		710-0870P	3.230,00	2.584,00

Accessories

Description	Cat. No.	Price (€)	Promo price (€)
Battery charger with universal plug for both models	710-0993P	128,00	102,40
Aspirating head for contact plates			
Stainless steel, Ø 55 mm	710-0880P	274,00	219,20
Aluminium, Ø 55 mm	710-0892P	138,00	110,40
Aspirating head for Petri dishes			
Stainless steel, Ø 90 mm	710-0878P	317,00	253,60
Aluminium, Ø 90 mm	710-0886P	176,00	140,80



Need to calibrate your air samplers?

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HACH® spectrophotometers for smarter results

DR 1900 - portable spectrophotometer ideal for field work. LCK cuvette test evaluation without barcode reading and 10-fold measurement feature.

DR 3900 - with IBR barcode reading and 10-fold measurement; AQA+ quality assurance; Certificate of Analysis displayed on the screen; wavelength scans and time course measurements.

DR 6000 - colour measurement with IBR barcode reading and 10-fold measurement; AQA+ quality assurance; Certificate of Analysis displayed on the screen; wavelength scans and time-course measurements; optional application software packages. Ideal for enzymatic food analysis.

- Error-free navigation even for new users
- More than 220 methods pre-programmed, (240 - DR 6000)
- Optimised data management, LIMS compatible
- RFID technology for sample tracking (DR 3900 + DR 6000 only)



Model	DR 1900 portable	DR 3900 Vis bench top	DR 6000 UV-Vis bench top
Methods	220 pre-programmed methods	220 pre-programmed method	240 pre-programmed methods
Wavelength (nm)	340 - 800	320 - 1100	190 - 1100
Cuvette compatibility	Square: 10 mm, 1 inch; round: 13 mm, 1 inch	Rectangular: 10, 20, 30, 50 mm, 1 inch; round: 13 mm, 1 inch	Rectangular: 10, 20, 30, 50 mm, 1 inch; round: 13 mm, 1 inch; optional: 100 mm rectangular cell with additional adapter
Measured values storage (Result, Date, Time, Sample ID, Operator ID)	500	2000	5000
Display	Graphic display 240x160 pixel (LCD, b/w, backlit)	7" TFT WVGA colour touch screen	
User methods	50	100	200
H×W×D (mm)	98x178x267	151x350x255	215x500x460
Weight (kg)	1,5	4,2	11
Cat. No.	705-0847P	705-0764P	705-0913P
Price (€)	2.370,00	4.400,00	9.830,00
Promo price (€)	2.014,50	3.740,00	8.355,50

Accessories

Description	Cat. No.	Price (€)	Promo price (€)
DR 1900 USB and power module for data transfer and line power for DR 1900	705-0914P	290,00	246,50
SIP 10 sipper for DR 3900, incl. square 1"/10 mm flow-through cell	634-0841P	342,00	290,70
DR 6000 application software for enzymatic food analysis	705-0916P	506,00	430,10
DR 6000 carousel holder for up to 7 square 10 mm cuvettes	705-0915P	209,00	177,65

VELP® BOD EVO Sensor System 6

- Complete and fully automated remote system management, wireless sensors transmit the BOD value to the Wireless Databox™ that logs the data for transmission to your PC
- Frequency of measurement and results transmission can be set prior to analysis via the easy to use BODSoft™ interface
- This unique system maximises the use of existing incubators or supports scale up without the need to manually record results or supervise operation – so no weekend working!
- BOD value in ppm or mg/l so no additional data processing is required and results can be displayed graphically and as figures only



Technical specifications

Analysis duration	5 days (BOD ⁵) to 30 days (BOD ^{ultimate})
Time interval between readings	In case of BOD ⁵ : Every 30 min/1/2/4/6/8/12/24 hours. In case of longer analysis: Every 2/4/6/8/12/24 hours
Scales	90, 250, 600, 999 ppm BOD. Higher values after dilution
WxHxD (mm)	270x300x185
Weight (kg)	2,3
Power (W)	2

A complete, scalable solution

Starter Package includes: 6 bottles, 6 magnetic stir bars, 6 alkali holders, 6 BOD EVO sensors, 6-pos. stirring station, plus BODSoft™, Wireless Databox™ supporting up to 80 sensors connected simultaneously

Expansion Set includes: Stirring station, 6 BOD wireless sensors, bottles, alkali holders and stirring bars

Sensor system -20%

BOD EVO Sensor systems (230 V) include a 6-position stirring station with BOD sensors, dark glass sample bottles, alkali holders and stirring bars.

Description	Cat. No.	Price (€)	Promo price (€)
BOD EVO Sensor System 6 (Starter Package)	705-0779P	1.920,00	1.536,00
BOD EVO Sensor System 6 (Expansion Set)	705-0780P	1.740,00	1.392,00

Incubate your sample and get the analysis results on your PC

Incubators -25%

E models have wireless connection to TEMPSoft™. I models have an internal glass door, wireless connection to TEMPSoft™ and auto-tuning system that allows constant temperature control.

Incubator model	Temp. range (°C)	Inner vol. (l)	Shelves	Cat. No.	Price (€)	Promo price (€)
FTC 120	Fixed at 20	120	2	705-0848P	1.280,00	1.088,00
FOC 120E		120	2	705-0849P	1.460,00	1.241,00
FOC 120I	3 to 50	120	2	705-0851P	1.610,00	1.368,50
FOC 215E		215	4	705-0850P	1.590,00	1.351,50
FOC 215I		215	4	705-0852P	1.820,00	1.547,00

VELP® flocculators

For the separation of pollutants in wastewater treatment

Made of epoxy painted metal structure with adjustable height stainless steel stirring rods, self-blocking chuck and light.

Portable model can be battery or 12 V car cigarette lighter powered as well as normal power supply and has optional carrying case.

-20%



2 year warranty

	Portable flocculator	Digital flocculators		Lab flocculators with independent positions	
Models	FP4	JLT4	JLT6	FC4S	FC6S
No. of positions	1	4	6	4	6
Speed selection	Mono selector: Same speed for each rod (4 rods)	Mono selector: Same speed from 10 to 300 rpm for each rod		Pluri selector: Settable individual speed for each rod	
Timer	0 - 30 min (or continuous)	0 - 999 min or 0 - 99 h (or continuous)		-	
Speed setting (rpm)	Electronic speed control: 20; 40; 50; 100; 200	Speed setting interval: 1		Speed selector settable at: 10; 15; 30; 45; 60; 90; 120; 150; 200	
Weight (kg)	4,8	13	17	12,5	18
WxHxD (mm)	250x320x250	645x347x260	935x347x260	645x347x260	935x347x260
Cat. No.	705-1500P	705-1501P	705-1502P	705-1503P	705-1504P
Price (€)	775,00	1.070,00	1.270,00	1.290,00	1.600,00
Promo price (€)	620,00	856,00	1.016,00	1.032,00	1.280,00

HORIBA U-50 series meters

Rugged unit measures up to 10 parameters of water quality simultaneously plus GPS coordinates on some models. Shock resistant casing and single probe are ideal for use in water treatment plants, for discharge, drainage or surface water, groundwater and aquaculture.

Chemically resistant probes with field replaceable sensors, an ultra-sensitive turbidity sensor (high sensitivity available for U-53 and U-53G), a dissolved oxygen sensor with screw-on-type membrane cap (requiring minimal maintenance) and durable pH, ORP, conductivity and reference electrodes that can be replaced independently.

- Single-handed operation, user-defined units to avoid conversions
- Backlit LCD screen shows parameters/GPS, battery, USB and probe connectivity and instructions
- Auto-calibration plus a diagnostic function
- Auto-hold function freezes average data values for easy recording or via USB to PC with free data acquisition software



-30%



Accessories

Description	Cat. No.	Price (€)	Promo price (€)
Transport case	664-0196P	643,00	450,10
Calibration beaker	664-0191P	40,00	28,00
Flow through cell	664-0190P	859,00	601,30
Probe guard	664-0192P	1.516,00	1.061,20
Cable (with data collection software)	664-0197P	475,00	332,50

Model	U-51	U-52	U-52 G	U-53	U-53 G
pH	•	•	•	•	•
ORP	•	•	•	•	•
Dissolved oxygen	•	•	•	•	•
Conductivity	•	•	•	•	•
Salinity	•	•	•	•	•
TDS	•	•	•	•	•
Seawater specific gravity	•	•	•	•	•
Temp.	•	•	•	•	•
Turbidity (LED)		•	•		
Turbidity (tungsten lamp)				•	•
Water depth			•	•	•
GPS			•		•
Supplied with 2 m cable					
Cat. No.	665-0336P	665-0328P	665-0393P	665-0333P	665-0325P
Price (€)	2.252,00	2.758,00	3.259,00	4.012,00	4.514,00
Promo price (€)	1.576,40	1.930,60	2.281,30	2.808,40	3.159,80
Supplied with 10 m cable					
Cat. No.	665-0337P	665-0329P	665-0326P	665-0334P	665-0331P
Price (€)	2.441,00	2.958,00	3.459,00	4.213,00	4.714,00
Promo price (€)	1.708,70	2.070,60	2.421,30	2.949,10	3.299,80
Supplied with 30 m cable					
Cat. No.		665-0330P	665-0327P	665-0335P	665-0332P
Price (€)		3.342,00	3.843,00	4.596,00	5.097,00
Promo price (€)		2.339,40	2.690,10	3.217,20	3.567,90

METTLER TOLEDO Seven2Go™ routine and professional portable field kits

Simple, reliable and robust meters (IP 67) with a range of great features, offering a high quality and reliable measurement solution in the lab or on site.

- New, intuitive menu structure with fast and easy T-Pad navigation
- Intelligent Sensor Management (ISM®) functionality reduces the risk of errors
- Professional models offer:
 - New sunlight-proof screen for readability even in direct sunlight
 - New status light for fast, visual confirmation that the meter is ready to measure

All models supplied with uGo™ carrying case, buffer or standard sachets or zero oxygen tablets (for DO meter), sample bottles and calibration certificate.

Seven2Go field kit model	Electrode/probe	Data storage	Cat. No.	Price (€)	Promo price (€)
pH/mV meter S2	InLab Expert Pro-ISM-IP67	200 GLP conforming	662-1836P	571,00	485,35
Conductivity meter S3	InLab 738-ISM		662-1841P	713,00	606,05
Polarographic DO meter S4	InLab 605-ISM		662-1852P	870,00	739,50
Professional pH/ion meter S8	InLab Expert Pro-ISM-IP67		662-1846P	906,00	770,10
Professional conductivity meter S7	InLab 738-ISM		662-1855P	1.057,00	898,45
Professional optical DO meter S9	InLab OptiOx, protective guard		662-1858P	1.463,00	1.243,55

-15%



VWR® pHenomenal® multiparameter meters



6100 H and 6100 L pH/mV, conductivity/TDS, dissolved oxygen ready to use sets

Both models have a large LCD graphic display showing simultaneously value and temperature, and are supplied with quality traceable certificate with serial number. Each has 5000 memory points.

Portable meter - supplied with a transport case, meter with batteries, an electrode/probe with built-in temperature sensor (epoxy gel pH electrode), 2 buffer solutions or standard for conductivity or maintenance kit for D.O.

Bench meter - supplied with an electrode/probe with built-in temperature sensor (glass electrode) 2 buffer solutions or standard for conductivity or maintenance kit for D.O. plus articulated stand for 4 electrodes and temperature sensor.

-20%

NEW



3 year warranty

Specification	pH/mV	Conductivity	Dissolved Oxygen
Range of the meters	-2.000...+19.999 pH	0.001 µS/cm to 1000 mS/cm	0.00 to 20.00 mg/l // 0.0 to 200.0%
Resolution	Selectable 0.1; 0.01; 0.001 pH	0,1 µS/cm	0.01 mg/l // 0.1%
Accuracy	±0.005 pH ±1digit	±0.5% of measured value	±0.5% of value (between 5 and 30 °C)
Calibration	Up to 5 points and auto buffer recognition	Single point	Water Saturated Air
Electrode/probe included	Epoxy gel electrode 111 with built-in temp. sensor for portable meter, BNC, 1 m cable, glass KCl electrode model 221 for bench meter	Conductivity probe with built-in temp. sensor (10 µS to 30 mS)	Galvanic sensor, with built-in temp. sensor, 3 m cable
mV range	±2500 mV; ±1200.0	-	-
mV resolution	Selectable: 0.1; 1	-	-
Resistance range	-	1 Ohm cm to 999 MOhm cm	-
TDS range	-	0 mg/l to 199.9 g/l // salinity: 0 to 70.0	-
Temp. range (°C)	-5.0...+105.0	-5.0...+105.0	0.0...+50

Multiparameter set	Cat. No.	Price (€)	Promo price (€)
Portable with IP 67 housing, battery operated			
MU 6100 H set 1 with pH and conductivity probes	665-0311P	942,00	753,60
MU 6100 H set 2 with pH, conductivity and D.O. probes	665-0312P	1.286,00	1.028,80
Bench with IP 43 housing, battery or mains power operated			
MU 6100 L set 1 with pH and conductivity probes	665-0309P	1.041,00	832,80
MU 6100 L set 2 with pH, conductivity and D.O. probes	665-0310P	1.530,00	1.224,00
Accessories			
Compact pH Lab Station with storage tube and compartments for buffers, cleaning, storage & filling solutions	662-1166P	111,00	88,80
Storage tube for pH electrode and Compact Lab Station	662-1167P	27,40	21,92
Communication kit (CD-ROM, USB cable, manual)	662-1225P	65,10	52,08

-15%

HygroPalm HP23-AW-A handheld instrument

Water activity (0,00 to 1,00 aw) has a significant impact on the shelf life of a product. Measuring free or non chemically bound water can help predict the likely growth of microorganisms in food, or the cohesion or flow properties of powders and tablets etc.

Aw is measured once the water vapour pressure and temperature in the air space above the product sample has equilibrated with the product (static equilibrium).

- Measure water activity within 4 to 5 min and saves up to 10 000 data points % RH, °C, date and time
- At equilibrium, % RH measured by the sensor = 100x aw
- Measurements typically require 4 to 6 min
- Accurate: Typically within 0,005 aw of actual value

Supplied with 4 humidity standards and transport case.

Model	Sample holder depth (mm)	Disposable containers	Cat. No.	Price (€)	Promo price (€)
HP23-AW-A - SET-14	14	10x PS14	710-0994P	2.560,00	2.176,00
HP23-AW-A - SET-40	40	10x PS40	710-0995P	2.650,00	2.252,50



-20%



VWR[®] Traceable[®] Logger-Trac[™] RH/temperature data logger

Complete flexibility - set recording interval for desired days to log (4 h to 365 days) or time interval (from every 2 seconds to every 24 hours).

Once the memory is full (30 720 readings), the logger stops recording data – so no data is lost by overwriting.

- **Mobile unit travels with shipments**
 - multiuse/reprogrammable
- Select humidity/temperature parameters (min./max.) in 1%/1° increments
- Displays current RH/ temperature, min./ max. temperature and total running time
- Displays total alarm duration for deviation from user selected values
- **Traceable to NIST for accuracy**
 - supplied with serial numbered Traceable[®] certificate

Technical specifications

- Temp. range: -29,0 to 72,0 °C ±0,2 °C (0 to 10 °C); ±0,5 °C otherwise
- Humidity range: 0 to 100% RH ±3% RH between (25 to 75% RH); ±5% RH otherwise
- Size: 88.9x50.8x27.9 mm; weight: 69.5 g



Starter kit includes Traceable[®] Logger-Trac[™] RH/temperature data logger, data capture cable, MaxiThermal software package, battery and certificate.

Description	Cat. No.	Price (€)	Promo price (€)
Starter kit	620-2325P	274,00	219,20
Traceable [®] Logger-Trac [™] RH/temperature logger and certificate only	620-2326P	186,00	148,80

SI Analytics automatic TitroLine[®] 5000 titrators

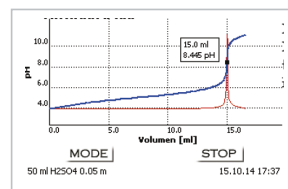
-15%

No specialist knowledge or training required!

- Full colour TFT display shows live data and titration curves
- Use pH, ORP, silver or mV electrodes, DIN or with BNC socket insert
- Temperature measurement/compensation, PT1000/NTC 30, socket 2x4 mm
- Pre-installed standard methods for alkalinity, acidity, chloride, etc. user-methods can be added
- Linear and dynamic titration to equivalence points, pH/mV end points
- Perfect for dosing - adjustable dosing and filling rates
- 20 or 50 ml dosing pump interchangeable
- USB and RS232 ports



Vol. display	0000000 to 9999999 ml
Display resolution	0.005 - 0.025 ml (depending on dosing unit)
Dosing speed	Max. 100 ml/min (with 50 ml unit)
Filling speed	Min. 30 s to 999 s adjustable (depending on cylinder vol.)
Burette resolution	8000
Dosing accuracy	Systematic error 0.15%, random error 0.05% in compliance with EN ISO 8655-6
WxHxD without stirrer	135x310x205 mm, weight: 2.3 kg



Ready to use assembled dosing unit supplied with manual controller, titration clamp, stand rod, magnetic stirrer TM 50 and power supply.

Model	Dosing unit (ml)	Electrode	Cat. No.	Price (€)	Promo price (€)
TL 5000/20 M1	20	None	661-0213P	2.520,00	2.142,00
TL 5000/50 M1	50	None	661-0214P	2.520,00	2.142,00
TL 5000/20 M2	20	pH electrode and buffer set	661-0215P	2.690,00	2.286,50
TL 5000/50 M2	50	pH electrode and buffer set	661-0216P	2.690,00	2.286,50
TL 5000/20 M3	20	Ag electrode	661-0221P	2.760,00	2.346,00

Accessories

Description	Cat. No.	Price (€)
USB keyboard TZ 3835	661-0128P	61,80
USB-HUB TZ 3830	661-0211P	41,20
Reagent bottle, amber, 1 l TZ 3803	661-0212P	17,30

Ismatec® Reglo ICC

The world's only peristaltic pump with independent channel control with up to 4 channels a pump.

- Stepper motor per channel, 0.1 - 100 rpm, increments 0,1 rpm
- Flexibility of bi-directional flow in each channel
- Continuous pumping or precision dispensing
- Easy to use USB interface
- PC or keypad control

Flow rate range	0.0002 - 35 ml/min/channel (tubing dependent)
No. of rollers	8 Ertalyte® rollers standard; 6- and 12-roller options also available
Cassettes	MS/CA Click'n'Go (POM-C cassettes ship with the pump; optional PVDF versions available)
Differential pressure	1.0 bar / 14.5 psi (max.)
Protection rating	IP 30
Power consumption	30 W (max.), main voltage: 100 - 264 V AC / 50/60 Hz
HxWxL (mm) / weight (kg)	170x125x193 - 218 (depending on no. channels) / 2.7

-10%



No. of channels	Cat. No.	Price (€)	Promo price (€)
4	224-0136P	2.596,00	2.336,40
3	224-0069P	2.189,00	1.970,10

Safety shower test unit

-10%

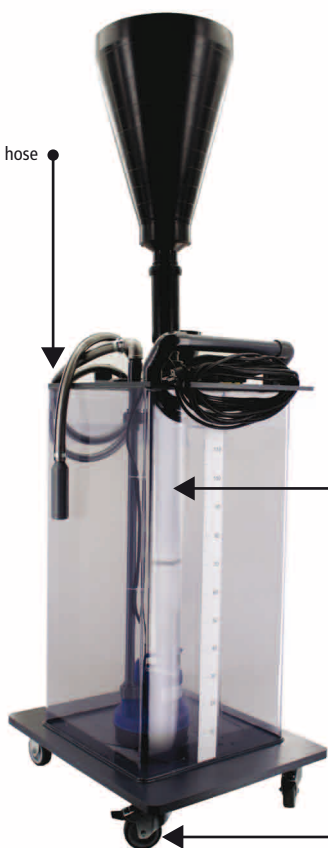
A mobile test unit designed for easy and convenient testing of the flow rate of emergency showers (should be 30 l/min).

Funnel extends to 2.3 m to collect up to 110 l of water over a set period of time. Read volume off the scale and then calculate the flow rate.

Built in suction pump empties the tank in no time, ready for a repeat check or moving onto the next shower.

- IP 44 protected power switch

2 m drain hose



Transparent PVC reservoir

VWR exclusive

WxDxH: 600x500x1730 mm, weight: 40 kg

Cat. No.	Price (€)	Promo price (€)
118-0280P	1.695,00	1.525,50

Lockable casters

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thermometers and dataloggers?**

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VWR® MB 64 and MB 160 moisture analysers

The first moisture analysers that can be connected to a tablet.

Multi-touch 7" tablet with android operating system (optional) enables temperature profile selection (ramp, fast, and steps, standard), data storage and real time graph of sample moisture content.

- Robust, compact units - Bluetooth® connection for data analysis
- Halogen-infrared heat source insulated to protect weighing unit from irradiated heat
- PT100 temperature sensor ensures process repeatability
- LCD display with back light
- Temperature range: +35 to +160 °C
- Measures moisture, dry residue in percentage and ATRO, weight value



Moisture analysers -25%

Model	Cap. (g)	Resolution	Cat. No.	Price (€)	Promo price (€)
MB 160	160	1 mg/0,01% moisture	611-2318P	1.255,00	941,25
MB 64	60	0,1 mg/0,001% moisture	611-3233P	1.775,00	1.331,25

Tablet & DPP-250 printer -20%

Item	Description	Cat. No.	Price (€)	Promo price (€)
Tablet system (Bluetooth®) for MB 64 & MB 160	7" multi-touch tablet (android) complete with moisture determination applications, Tab-Box Bluetooth® interface, tablet holder, Bluetooth® dongle	611-8683P	648,00	518,40
Printer DPP-250	Bluetooth® interface for tablet system, can be battery operated	611-2793P	382,00	305,60

Printers that can be connected to moisture analysers directly	Cat. No.	Price (€)
TLP-50 printer, line thermal dot printing, RS232C interface, date/time	630-1485P	343,00

OHAUS® Adventurer balances with automatic internal calibration

Adventurer analytical and precision balances incorporate all of the applications necessary for routine weighing tasks.

- Stability, accuracy and fast operation for optimal weighing results
- Full colour touch screen including QWERTY and numeric key pads with weighing capacity indicator
- Easy access communication ports (RS232, USB Device, USB Host) with direct data transfer and print-to-USB function
- Two-piece, top mounted, space saving draft shield with removable panels on 0.1 and 1 mg models
- AutoCal™ automatic internal calibration system



-20%

Model	Cap. (g)	Readability (d)	Platform (mm)	Test weight	Cat. No.	Prices (€)	Promo price (€)
AX124	120	0,1 mg	Ø 90	100 g, E2	611-3213P	2.010,00	1.608,00
AX224	220	0,1 mg	Ø 90	200 g, E2	611-3214P	2.100,00	1.680,00
AX324	320	0,1 mg	Ø 90	200 g + 100 g, E2	611-3216P	2.210,00	1.768,00
AX223	220	1 mg	Ø 130	200 g, F1	611-3223P	1.405,00	1.124,00
AX423	420	1 mg	Ø 130	200 g + 200 g, F1	611-3225P	1.595,00	1.276,00
AX523	520	1 mg	Ø 130	500 g, F1	611-3217P	1.810,00	1.448,00
AX622	620	0,01 g	175x195	500 g + 100 g, F1	611-3227P	1.260,00	1.008,00
AX1502	1520	0,01 g	175x195	1000 g + 500 g, F1	611-3229P	1.385,00	1.108,00
AX2202	2200	0,01 g	175x195	2000 g, F1	611-3231P	1.405,00	1.124,00
AX4202	4200	0,01 g	175x195	2000 g + 2000 g, F1	611-3219P	1.595,00	1.276,00
AX5202	5200	0,01 g	175x195	5000 g, F1	611-3221P	1.810,00	1.448,00

VWR® VENTI-Line® drying oven with forced convection

-25%

- Microprocessor controller
- Digital temperature setting with degree accuracy
- Built-in timer: 0 to 999 min, 0 to 99.9 h or continuous operation
- Over-temperature protection with visible alarm (safety thermostat class 3.1)
- Stainless steel interior equipped with 2 chrome plated shelves*



Model	VL 53	VL 115
Size (l)	53	115
Temp. (°C)	RT +12...220	RT +5...220
Temp. variations (°C) (spatial) at 150 °C	±2,7	±2,5
Temp. fluctuations (°C) (time)	± 0,4	± 0,3
Heating up time to 150 °C (min) to 98% of set temp.	23	30
Recovery time 30 s door open (min) to 98% of set temp.	7	5
Ext. WxDxH (mm)	620x600x680	820x710x760
Int. WxDxH (mm)	401x330x401	600x400x480
Weight (kg)	40	62
Cat. No.	466-3516P	466-3519P
Price (€)	1.250,00	1.760,00
Promo price (€)	937,50	1.320,00

*Extra shelves	Cat. No.	Price (€)
For VL 53 model	466-3522P	61,20
For VL 115 model	466-3523P	88,40

-25%

Thermo Scientific® Vacutherm drying ovens

Units with stainless steel chambers, vacuum fittings, tubing and ball valve, designed for gentle drying of heat-sensitive samples from ambient +15 to +200 °C. Convection type – air jacket heating system, analogue pressure display.

- Adjustable temperature limit protection, Class 2 (DIN 12880, Part 1)
- Rapid ventilation valve
- Models VT 6130 M and VT 6060 M also offer:
 - DN 25 access port in the rear wall
 - Second ventilation valve for precise gentle ventilation of the chamber
 - Inert gas connection for controlled atmosphere use

Model	VT 6025	VT 6130 M	VT 6060 M
Cap. (l)	25	128	53
Shelves supplied (max.)	2 (4)	3 (5)	2 (4)
Int. WxDxH (mm)	300x307x275	495x529x489	415x371x345
Ext. WxDxH (mm)	480x450x600	895x750x720	744x570x576
Weight (kg)	58	153	82
Power consumption (W)	1300	2200	1700
Temp. variation (spatial) (°C)	At 200 ±4	At 200 ±6	At 200 ±4
Temp. fluctuation (time) (°C)		≤0,5	
Cat. No.	466-2700P	466-2720P	466-2710P
Price (€)	4.850,60	11.223,70	7.796,90
Promo price (€)	3.637,95	8.417,78	5.847,68





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