

Industrial, portable and
laboratory products



Choice, Service and Trust

camlab

New Catalogue Layout

Multiparameter
Instruments & Kits

Single Parameter
Instruments & Kits A-Z

On-Line
Monitors/Analysers A-Z

Laboratory &
Support Equipment A-Z

Following customer feedback and to make it easier to find what you're

looking for, we have changed the layout of our catalogue this year. You will now be able to find products according to the parameter you want to measure e.g. chlorine, nitrate in one of the four sections above. If you cannot find the product you want the first time then you can refer to our comprehensive alphabetical and part number index's at the back of the catalogue.

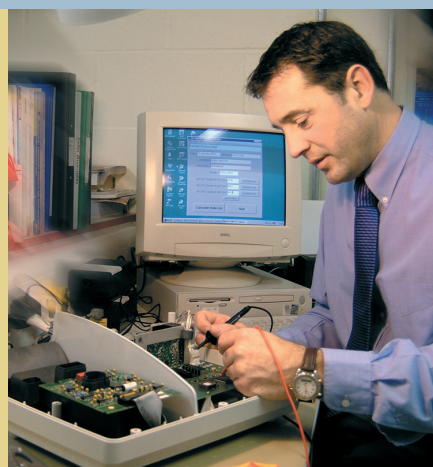


Camlab Choice

Our commitment to you is to continually source and supply high-quality, good value products to meet your individual needs. As well as the major brands you will also find our own branded products with additional unique features approved by our own technical engineers. Other alternative brands are also available to suit your specific technical or budget requirements. Look for the latest additions to our Camlab range.

Our own service team

Camlab is a well known, Cambridge based company with over 55 years experience of providing instrument service and calibration to the industrial, laboratory and water sectors in the UK. Our field based and workshop engineers are factory trained or are the approved agents for many of these well known brands. We can provide you with installation, preventative maintenance, calibration certification and emergency repairs when required. If you wish to take advantage of these services at competitive rates then contact us on **01954 233130** or email us at service@camlab.co.uk to obtain a quotation and further information.



Installation and Calibration

Are you ordering a large item that you would like professionally commissioned? Do you need IQ/OQ/PQ certification? If so then Camlab has the expertise and engineers to arrange this for you. We can dispose of your old equipment in compliance with WEEE regulations. We can calibrate and certify most equipment to traceable standards at any time or as part of the initial purchase according to your needs.

People are the difference

At Camlab we understand the importance of good service and personal contact when working with our customers to achieve good value solutions. Our experienced field based Technical Sales and Technical Support Specialists will provide you with the right product choices and service options, whilst our dedicated Customer Sales Team is specifically trained to deal with all aspects of your order quickly and efficiently. After the sale we will continue to look after you and ensure that your satisfaction level remains high.



Lifetime Support and Warranty

We test all new products, inspect all deliveries and record the serial numbers of all instruments sold by Camlab. This allows us to ensure that you are receiving high quality goods and we will inform you of any upgrades, software changes, product recalls warranty renewals or calibration requirements. Extended warranties are available on request.

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Website

Save time using our state of the art website with features such as customer reviews, product comparison, technical information, quotation facility and full on-line ordering either on account or via credit/purchasing card. Visit www.camlab.co.uk or www.camlabworld.com for a full tour.



Brands you can Trust

In addition to our existing laboratory range Camlab is dedicated to bringing you the latest products and well known brands. A new range of Camlab general purpose reagents including solvents, acids, bases, salts and solutions is now available to complete your selection.

FREE GIFT – tell us what you think?

Simply complete our five-minute customer feedback survey online at www.camlab.co.uk/survey, receive a free gift and also enter our prize draw.

Manufacturing, Warehouse, Maintenance and Distribution Strength

Our unique position as an industrial process supplier, laboratory distributor, and warehouse logistics provider, combined with our manufacturing capabilities for high quality plastics, provides us with a breadth of commercial experience. Our technical know how and specially built service and maintenance facilities ensure that we are able to provide you with the most suitable package of products and support. Whatever your needs, we can provide you with an all round customised solution as one of our core strengths.



Quality Approved

We regard consistency and high quality as paramount in everything we do, ensuring you get the best possible service from every aspect of our business. We monitor customer feedback and are constantly changing our systems to meet your requirements. This is reflected in our continued certification to BS EN ISO9001:2000 for customer service and UKAS Environmental Management ISO14001 for Camlab polypropylene items which demonstrates our responsibility to the environment as well as to our customers.



Trust

With over 55 years experience you can trust Camlab to provide you with the right product or service at the right price. As Camlab Ltd is an employee Trust, all staff members hold a personal interest in the success of the company, ensuring that you receive the best service, technical support and customer care at all times.



Lifetime cover from Camlab service

With over 35 years of experience in scientific instrumentation repair and our own Internal and Field service engineers, Camlab is a name you can trust for maintenance services, repairs and calibration. We also offer application technical support and advice by phone or E-mail and are able to undertake special modifications and customised engineering projects.

Please talk to us about your service requirements. We can advise you on the best options to provide cover for your equipment. We believe the best time to buy your service or warranty cover is at the time of purchase. If however you need a repair after this then check

out our post-purchase service contracts below. This year we are pleased to offer an extension to our support package with Extended warranties and Total Cover for complete peace of mind back up. You can purchase an extended warranty from camlab at any time during the original warranty. You can choose the level of cover to include on-site or return-to-workshop(postal) depending on your budget.

Please give us a call on 01954 233 130 or E-mail the Service Department at service@camlab.co.uk for a customised quotation on any of the following services...

This table is designed to give you an idea of the kind of cover we offer and what it might cost you on various types of example equipment.

Call now for a personalised quote!



Example 1
PH Meter



Example 2
Camlab Turbidity



Example 3
Swan Monitor

1. Service Contract

These can be set up as *Postal* where you return the item to us by post or *On-Site* where we come to you. These normally include an annual maintenance service and a calibration certificate.

2. Extended Warranty

These can be set up as *Postal* or *On-site* and gives you complete breakdown cover with free repairs, including parts* & labour.

1 + 2 = Total Cover

Know your cost of ownership up front! Combine a Service contract with an Extended Warranty for Total Cover. maintenance service, calibration certificate (where applicable) and free parts* and repairs in the event of a breakdown. Available as *Postal* or *On-site*.

	Postal Contract	Postal Contract	On-Site Contract
	£117	£104	£350
	Postal Warranty	Postal Warranty	On-Site Warranty
	£30	£40	£100
	Total Cover Postal	Total Cover Postal	Total Cover On-Site
	£147	£144	£450

*Extended Warranties and Total Cover exclude consumable parts such as lamps, filters, etc, and are subject to the instrument being properly maintained and used. Extended warranty or Total Cover must be taken out during the course of an existing warranty. (Either the original manufacturers warranty or an existing extended warranty) NOTE: Terms and conditions apply. The above table is for illustration purposes only and actual figures may vary from those shown. Service Contract and Extended Warranty: Applicable to UK mainland only.

20% Discount

Register the purchase of your new instrument on our website and receive a voucher for a 20% discount off the price of a service contract and/or an extended warranty

Your Account Number

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Easy Ordering

All Departments are open from 8:30am to 5:30pm

Just use any of the following methods to order. All we need is your purchase order number, catalogue number, quantity and description of the items you would like and your invoice/delivery addresses.

Phone: 00 44 1954 233 110

Fax: 00 44 1954 233 101

Email: sales@camlab.co.uk

Web: www.camlab.co.uk

Post: Camlab Limited, Norman Way, Over, Cambridge,
CB4 5WE, United Kingdom



Convenient payment

Most transactions can be carried through an account, however we are happy to accept payment by Visa, Mastercard, Business card and Delta Debit card

Quick Delivery

Goods for orders received before 3:30pm (subject to stock availability) are despatched the same day via NEXT DAY delivery (not applicable to large items like washing machines, freezers, etc). Timed deliveries are also available for a small additional fee.

Terms and conditions are on page 559 with additional information on the inside back cover.

Register online now for FREE gift!

HELP US HELP YOU – take our five minute on-line customer satisfaction survey, get a free gift and enter our prize draw at www.camlab.co.uk/survey

www.camlab.co.uk

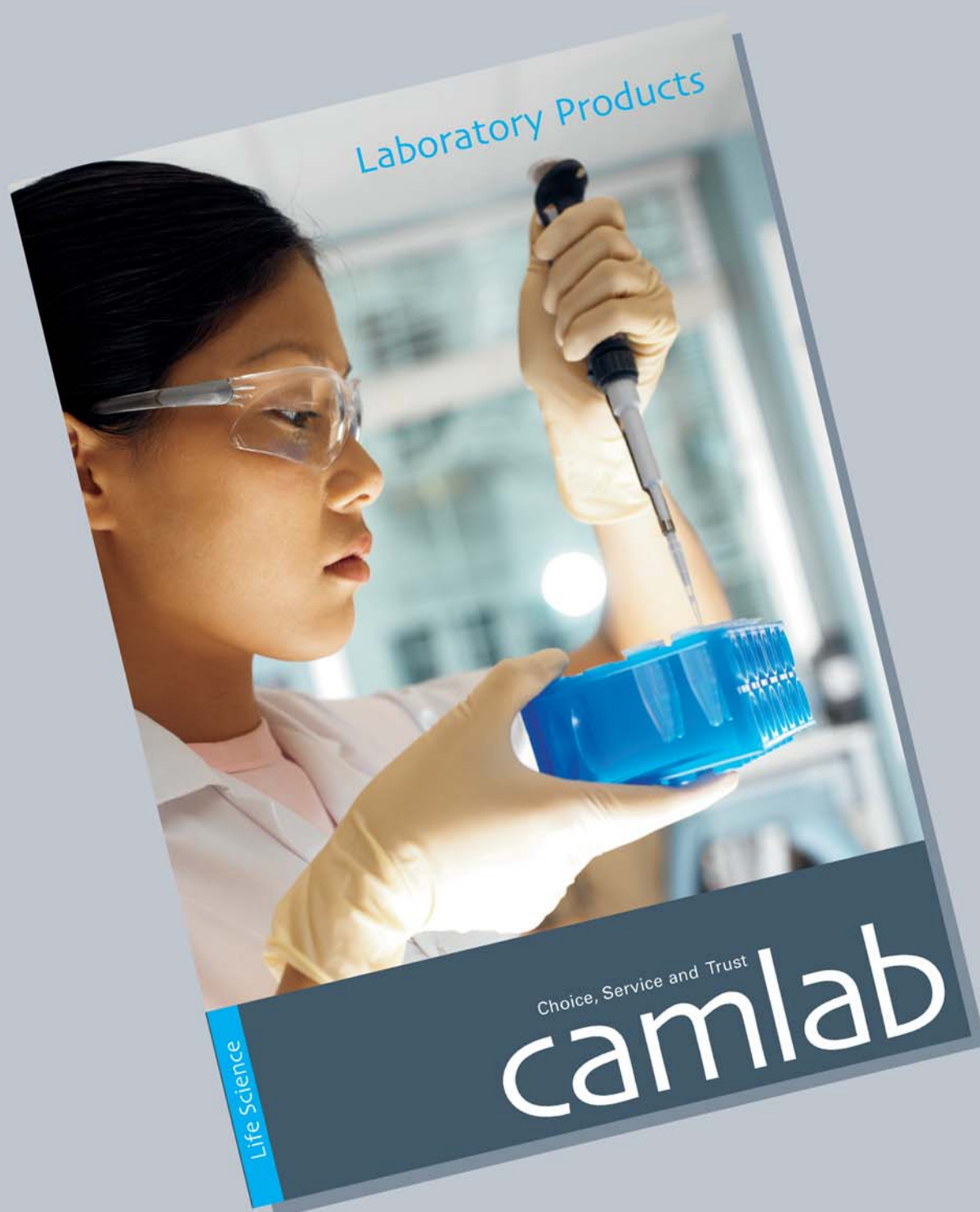


WEBSITE: www.camlab.co.uk

For information, and full online ordering visit the NEW Camlab website today.

- On-line ordering
- Special offers
- Technical information
- MSDS sheets
- Product reviews
- Quote generator
- On-line stock availability
- Application Browser
- Warranty registration
- Product reviews

New Camlab Lab Products Catalogue



The Camlab 2006 Lab Products Catalogue offers you more choice for your laboratory needs than ever before. It features a wide range of consumables, instruments and reagents from Camlab and other well known manufacturers.

To order your copy and to see all our latest product releases please visit our website on www.camlab.co.uk.





Multiparameter
Instruments & Kits

Camlab Multi-Parameter Colorimeter Model CW3000



Dual beam multi-parameter colorimeters suitable for wastewater, drinking water and process water applications. Designed for use with tablet, liquid, tube test or powder pillow reagents the system is programmed to be used with the majority of popular reagent brands.

The CW3000 is a filter photometer using interference filters at six different wavelengths 430, 530, 560, 580, 610 and 660nm. The unique design of the optics allows the automatic selection of the required wavelength without the need for moving parts. The entire instrument including sample chamber and battery compartment is water proof.

SPECIFICATIONS

Display	Graphic Display
Optics	6 temperature compensating LED, internal reference channel, photodiode in protected sample chamber
Outputs	RS232/Printer
Download	Software and methods updated by means of the internet
Operation	Acid and solvent resistant touch sensitive keypad with audible feedback
Power supply	7 rechargeable NiCd battery pack
Dimensions (h x w x d)	195 x 265 x 70mm
Ambient conditions	5 to 40°C, up to 90% humidity(non condensing)
Auto-Off	After approx. 20 minutes with no loss of data
Memory capacity	Approx. 1000 data sets with date, time and reference

ORDERING INFORMATION

CW3000 Multi-Parameter Colorimeter complete with battery pack and mains charger, PC connection cable, 3 x 24mm vials, 3 x 16mm vials, 16mm vial adapter, syringes, beaker, carrying case and instructions.

Reference: CW/21.00.70 £825.00

ACCESSORIES

Spare 24mm vials pk12

Reference: TT/19.76.20 £20.50

Spare 16mm vials pk12

Reference: TT/19.76.65 £19.20

Printer

Reference: TT/19.80.65 £369.00

Secondary chlorine standards kit

Reference: TT/21.56.00 £33.60



Camlab Spectrophotometer Model CW5000

The CW5000 single beam spectrophotometer is designed specifically for water testing. Pre-programmed methods based on tablet, liquid, test tube or powder pillow methods means it is suitable for use with most popular brands of reagents. This easy to use unit gives the operator confidence to obtain accurate, reproducible results and the multifunctional sample changer enables different cells to be used without the need for adapters. The unit performs an automatic self test on start up to check all functions from the lamp to the memory. Advantages include



- Wavelength range 330 to 900nm
- Large illuminated graphic display
- Touch-sensitive film keypad with easy to use layout
- Multifunctional sample chamber
- 14 user-specific methods
- Fast, easy change lamp
- Multi-functional i.e. Kinetics, Multi-wavelength etc

SPECIFICATIONS

Wavelength range	330 to 900nm
Spectral bandwidth	10nm
Wavelength accuracy	+/- 2nm
Light source	Pre-adjusted tungsten halogen lamp
Detector	Silicon photodiode
Multifunctional sample chamber for	24 or 16mm round vials, 10 -50 mm rectangular cells
Display	Backlit LCD graphic display
Storage capacity	760 test data entries
Serial interface	RS232
Power Supply	115V/60Hz or 230V/50Hz
Dimensions (l x w x h)	275 x 340 x 165mm

ORDERING INFORMATION

CW5000 Spectrophotometer complete with CD-ROM and download software, power supply unit and instructions in case with serial cable, replacement lamp, 12 round vials 24mm, 5 round vials 16mm, 100 rectangular cells 50mm and 100 rectangular vials 10mm.

Reference: CW/71.00.05 £2200.00

ACCESSORIES

Spare 24mm vials pk12
Spare 16mm vials pk12
Replacement lamp
Secondary Standards Kit

Reference: TT/19.76.20 £20.50
Reference: TT/19.76.65 £19.20
Reference: TT/71.00.00 £84.00
Reference: TT/71.11.60 £950.00

Method and Reagents for CW3000 and CW5000

	Measuring Range	Chemistry	Reagent Type	Pack Size	Reference	Price	CW3000	CW5000
Alkalinity-m	5-200mg/l	Acid/Indicator	Tablet/Indicator	100	TT/51.32.10	£9.70	•	•
Alkalinity-p	5-500mg/l	Acid/Indicator	Tablet/Indicator	100	TT/51.32.30	£13.60	•	•
Aluminium	0.01-0.25mg/l	Eriochrome cyanine R	Pillow/Indicator	Set	CW/53.50.00	£71.00	•	•
Ammonia	0.02-1mg/l	Salicylate	Tablet Ammonia No1	100	TT/51.25.80	£9.00	•	•
			Tablet Ammonia No2	100	TT/51.25.90	£9.00	•	•
Ammonia	0- 0.5mg/l	Salicylate	Powder/ liquid	100	CW/53.55.00	£83.50		•
Ammonia	0-2.5mg/l	Salicylate	Tube	Set	CW/53.56.00	£81.65	•	•
Ammonia	0-50mg/l	Salicylate	Tube	Set	CW/53.56.50	£81.65	•	•
Bromine	0.05-6.5mg/l	DPD	Tablet DPD No1	100	TT/51.10.60	£6.50	•	•
			Tablet DPD No1 High Ca	100	TT/51.57.40	£7.70	•	•
Bromine	0.1-4.5mg/l	DPD	Liquid DPD 1 Buffer	15ml	TT/47.10.10	£10.90		•
			Liquid DPD 1 Reagent	15ml	TT/47.10.20	£10.90		•
Cadmium	0.025-0.75mg/l	Cadion	Spectroquant	25	TT/42.07.50			•
Chloride	0.5-25mg/l	Silver nitrate/turbidity	Tablet Chloride T1	100	TT/51.59.10	£10.90	•	
			Tablet Chloride T2	100	TT/51.59.20	£10.90	•	
Chlorine	0.02-3mg/l	DPD	Tablet DPD No1	100	TT/51.10.60	£6.50	•	•
			Tablet DPD No1 High Ca	100	TT/51.57.40	£7.70	•	•
			Tablet DPD No3	100	TT/51.10.80	£6.70	•	•
Chlorine	0.05-2mg/l	DPD	Liquid DPD 1 Buffer	15ml	TT/47.10.10	£10.90	•	•
			Liquid DPD 1 Reagent	15ml	TT/47.10.20	£10.90	•	•
			Liquid DPD 3	15ml	TT/47.10.30	£10.90	•	•
Chlorine	0.01-2mg/l	DPD	Pillow DPD free	100	CW/53.01.00	£11.50	•	•
			Pillow DPD total	100	CW/53.01.20	£11.50	•	•
Chlorine HR	5-200mg/l	Potassium Iodide	Tablet Chlorine HR(KI)	100	TT/51.30.00	£12.40	•	•
			Tablet Acidifying GP	100	TT/51.54.80	£9.20	•	•
Chlorine Dioxide	0.05-11mg/l	DPD	Tablet DPD No1	100	TT/51.10.60	£6.50	•	
			Tablet DPD No3	100	TT/51.10.80	£6.70	•	
			Tablet Glycine	100	TT/51.21.70	£8.50	•	
Chlorine Dioxide	0.04-2.5mg/l	DPD	Tablet DPD No1	100	TT/51.10.60	£6.50		•
			Tablet DPD No1 High Ca	100	TT/51.57.40	£7.70		•
Chlorine Dioxide	0.5-2.5mg/l	DPD	Liquid DPD 1 Buffer	15ml	TT/47.10.10	£10.90		•
			Liquid DPD 1 Reagent	15ml	TT/47.10.20	£10.90		•
Chromium	0.005-2mg/l	1,5-Diphenyl-carbazone	Pillow Persulphate	100	CW/53.73.00	£28.40		•
			Pillow Chromium Hexavalent	100	CW/53.73.10	£21.20		•
COD	0-150mg/l	Dichromate/H2SO4	COD Vial	25	CW/2.42.07.20	£27.70	•	•
	0-1500mg/l	Dichromate/H2SO4	COD Vial	25	CW/2.42.07.21	£27.70	•	•
	0-15000mg/l	Dichromate/H2SO4	COD Vial	25	CW/2.42.07.22	£27.70	•	•
Copper	0.05-5mg/l	Biquinoline	Tablet Copper No1	100	TT/51.35.50	£27.70	•	•
			Tablet Copper No2	100	TT/51.35.60	£11.90	•	•



Method and Reagents for CW3000 and CW5000

	Measuring Range	Chemistry	Reagent Type	Pack Size	Reference	Price	CW3000	CW5000
Copper	0.05-5mg/l	Bicinchoninate	Pillow Copper 1	100	CW/53.03.00	£23.60	•	
Cyanide	0.005-0.5mg/l	Pyridine-barbituric acid	Powder/Liquid	Set	TT/2.41.88.75		•	•
Cyanuric Acid	2-160mg/l	Melamine	Tablet Cyanuric Acid	100	TT/51.13.20	£12.30	•	
DEHA	20-500ug/l	PPST*	DEHA Solution	100ml	TT/46.11.81	£7.40	•	•
			Tablet DEHA	100	TT/51.32.20	£42.30	•	•
DEHA	20-500ug/l	PPST*	Powder/liquid	100	CW/53.60.00	£50.00	•	•
Fluoride	0.02-1.5mg/l	SPADNS	Liquid Reagent SPADNS	100ml	TT/46.74.81	£25.50	•	•
Formal-dehyde	0.1-5mg/l	H ₂ SO ₄ /Chromotropic Acid	Tube	25	TT/42.07.52	£83.40		•
Hardness, Calcium	50-900mg/l	Murexide	Tablet Calcheck	100	TT/51.56.50	£10.40	•	
Hardness, Total	2-50mg/l	Metallphthalein	Tablet Hardcheck	100	TT/51.56.60	£10.40	•	•
Hazen	0-500Pt/Co units	Direct Reading					•	
Hydrogen Peroxide	0.01-1.5mg/l	DPD/Catalyst	Tablet Hydrogen Peroxide	100	TT/51.23.80	£12.30	•	•
Iodine	0.05-3.6mg/l	DPD	Tablet DPD No1	100	TT/51.10.60	£6.50	•	•
Iron Soluble	0.01-1mg/l	PPST	Tablet Iron LR	100	TT/51.53.70	£21.00	•	•
			Tablet Iron LR	100	TT/51.54.20	£21.00	•	•
Iron Fe2+	0.01-1mg/l	PPST	Tablet Iron LR	100	TT/51.53.70	£21.00	•	•
			Tablet Iron LR	100	TT/51.54.20	£21.00	•	•
Iron Soluble	0-3mg/l	1,10-Phenanthroline	Pillow Vario Ferro	100	CW/53.05.60	£12.10	•	•
Iron TPTZ	0.02-1.8mg/l	TPTZ	Pillow Vario TPTZ	100	CW/53.05.50	£16.60	•	•
Lead	0.1-5mg/l	4-(2-Pyridylazo)-resorcin	Tube	25	TT/42.07.54	£83.40		•
Manganese	0.05-4mg/l	Formalldoxin	Tablet Manganese 1	100	TT/51.60.80	£28.30	•	•
			Tablet Manganese 2	100	TT/51.60.90	£12.10	•	•
Manganese LR	0.01-0.7mg/l	PAN	Pillow/Liquid	Set	CW/53.50.90	£46.50	•	•
Molybdate	1-50mg/l	Thioglycolate	Tablet Molybdate No1	100	TT/51.30.60	£9.60	•	•
			Tablet Molybdate No2	100	TT/51.30.70	£9.60	•	•
Nickel	0.02-7mg/l	Dimethyl-glyoxime	Tube	25	TT/2.41.90.33	£36.20		•
Nitrate	0-30mg/l	Chromotropic Acid	Powder/Tube	Set	CW/53.55.80	£84.50	•	•
Nitrite	0.01-0.5mg/l	NED	Tablet Nitrite LR	100	TT/51.23.10	£9.00	•	•
Nitrite	0-3mg/l	Sulfanilic Acid/Naphthyl-amine	Tube	24	TT/2.41.90.18			•
Nitrogen Total	0.5-25mg/l	Persulphate Digestion	Pillow/Tube	Set	CW/53.55.50	£104.50	•	•
Nitrogen Total	5-150mg/l	Persulphate Digestion	Pillow/Tube	Set	CW/53.55.60	£109.25	•	•
Oxygen Active	0.1-10mg/l	DPD	Tablet DPD No4	100	TT/51.12.20	£8.40	•	
Ozone	0.02-1mg/l	DPD/Glycine	Tablet DPD No1	100	TT/51.10.60	£6.50	•	•
			Tablet DPD No3	100	TT/51.10.80	£6.80	•	•
			Tablet Glycine	100	TT/51.21.70	£8.50	•	•
PHMB	2-60mg/l	Buffer/Indicator	Tablet PHMB	100	TT/51.61.00	£18.20	•	

Method and Reagents for CW3000 and CW5000

	Measuring Range	Chemistry	Reagent Type	Pack Size	Reference	Price	CW3000	CW5000
Phenol	0.1-5mg/l	4-Amino-antipyrine	Tablet Phenol1	100	TT/51.59.59	£30.60		•
			Tablet Phenol2	100	TT/51.59.60	£16.80		•
Phosphate-Ortho	0.05-4mg/l	Phospho-molybdic acid/ascorbic acid	Tablet Phosphate No1	100	TT/51.30.40	£12.50	•	•
			Tablet Phosphate No2	100	TT/51.30.50	£8.30	•	•
Phosphate-Ortho	0.06-2.5mg/l	Ascorbic Acid	Pillow Vario Phos3	100	CW/53.15.50	£27.55	•	•
Phosphate-Ortho	0.06-2.5mg/l	Ascorbic Acid	Tube	50	CW/53.52.00	£48.30	•	•
Phosphate-Acid	0.02-3.5mg/l as P04	Acid Digestion /Persulphate	Tube/Pillow	50	CW/53.52.50	£65.30	•	•
Hyrolyzable and Total								
Phosphate-Total	0.06-3.5mg/l as P04	Acid Persulphate Digestion Ascorbic Acid	Tube/Pillow	50	CW/53.52.10	£84.50	•	•
pH	6.5-8.4	Phenol Red	Tablet Phenol Red	100	TT/51.17.70	£7.20	•	•
Potassium	0.5-12mg/l	Tetraphenyl-borate/Turbidity	Tablet Potassium T	100	TT/51.56.70	£28.10		•
Silica	0.05-3mg/l	Silico-molybdate	Tablet Silica No1	100	TT/51.31.30	£14.20	•	•
			Tablet Silica No2	100	TT/51.31.40	£14.20	•	•
			Tablet Silica PR	100	TT/51.31.50	£14.10	•	•
Silica LR	0.1-1.6mg/l	Heteropolyblue	Pillow/Liquid	Set	CW/53.56.90	£53.20	•	•
Silica HR	1-90mg/l	Silicomolybdate	Pillows	Set	CW/53.57.00	£50.75	•	•
Sulphate	5-100mg/l	Barium Sulphate/Turbidity	Pillow Vario Sulpha4	100	CW/53.21.60	£18.95	•	•
			Tablet Sulphate T	100	TT/51.54.50	£12.50	•	•
Sulphide	0.04-0.5mg/l	Methylene Blue	Tablet Sulphide No1	100	TT/50.29.30	£19.60	•	•
			Tablet Sulphide No2	100	TT/50.29.40	£13.30	•	•
Sulphite	0.1-5mg/l	DTNB**	Tablet Sulphite LR	100	TT/51.80.20	£16.70	•	•
Surfactants (anionic)	0.05-2mg/l	Methylene Blue	Tube	25	TT/42.07.55	104.00		•
Spectral Absorption Coefficient	0-50m-1	Direct Reading						•
TOC	50-800mg/l	H ₂ SO ₄ /Indicator	Tube	25	TT/42.07.56	179.30		•
Turbidity	5-500	Attenuated Radiation Method						•
Urea	0.1-3mg/l	Urease/Indophenol	Liquid Urea 1	15ml	TT/45.93.00	£8.00	•	
			Liquid Urea 2	10ml	TT/45.94.00	£39.10	•	
			Tablet Ammonia 1	100	TT/51.25.80	£9.00	•	
			Tablet Ammonia 2	100	TT/51.25.90	£14.90	•	
Zinc	0.02-1mg/l	Zincon/EDTA	Tablet Zinc LR	100	TT/51.26.20	£22.60	•	•
			Tablet EDTA	100	TT/51.23.90	£12.30	•	•
			Tablet Dechlor	100	TT/51.23.50	£8.30	•	•

All reagent sets sufficient for 100 tests

* PPST = 3-(2-Pyridye)-5, 6-bis (4-pheylsulphonic acid)-1, 2-triazine

** DNTB = 5; 5-Dithio-bis (2-nitrobenzoic acid)



Jenway Aquanova Environmental Spectrophotometer

The Aquanova is designed specifically for water and environmental testing applications and has a very impressive 300 method memory to store all of the standard photometric tests. Aquanova is an open system and can be used with the majority of popular reagent systems including those used on the Camlab CW3000/5000 and the Camlab Water reagents. Test methods are recalled by browsing alphabetically, from selected index letters, or from a list of the most recently used tests in the Dynamic journal that is automatically updated each time a test is selected.

The Aquanova is pre-programmed with a number of tests and these can easily be added to either manually using the instrument keypad or by download from the Aqua-Link software and CD supplied. Method development is also possible on Aquanova as each test method can have up to six calibration standards ensuring that even test methods with a non linear response can be catered for.



- Dedicated to water and environmental testing
- Open system for use with most test methods
- Up to 300 test methods held in memory
- Test manager offers step by step guide
- Self diagnostic and calibration check every time the unit is switched on

SPECIFICATIONS

Wavelength	320 - 1000nm
Resolution	1nm
Bandwidth	8nm
Memory	50 results
Test memory	300 methods
Units	mg/l, g/l, %, ppm, pH, mg/kg, etc
Communication	RS232
Readout	Custom LCD graphics
Light source	Tungsten lamp
Weight	6Kg

ORDERING INFORMATION

Aquanova Environmental Spectrophotometer
supplied with mains lead, 9 way serial cable, PC
Application software on CD ROM and operating
instructions for use on 230V/50Hz.
Reference: JN/637.001 £1495.00

Aquanova Environmental Spectrophotometer as
above but for use on 110V/60Hz.
Reference: JN/637.031 £1495.00

Methods pre programmed into Aquanova

Alkalinity m	Chromium total	Nitrite
Alkalinity p	Chromium hexavalent	Nitrogen total LR
Aluminum	Copper total	Nitrogen total HR
Ammonia	Copper free	Oxygen active
Ammonium LR	Fluoride	Phosphate-Ortho
Ammonium HR	Hardness total	pH
Bromine	Hydrogen peroxide	Potassium
Chlorine free	Iodine	Silica
Chlorine total	Iron	Sulphate
Chlorine dioxide	Manganese	Sulphide
COD HR	Molybdate	Sulphite
COD MR	Nitrate	Zinc
COD LR		

Hach DR/2800 Spectrophotometer. A New Dimension in Flexibility



The new DR2800 portable spectrophotometer can be used for more than 240 analytical methods and can also store up to 50 user programs and 500 data points. The 20 TNT plus reagent vial tests provide innovative barcode labelling for reliable, automatic method detection.

Use a USB memory stick for updates or transfer data.

Allows you to easily update the DR2800. Use the memory stick to stay current as Hach releases new test methods and chemistries. Two USB ports on the instrument allow for a computer to be connected in one port whilst the other is used to connect the DR2800 to a memory device or hand held bar code scanner.

Detect and run analytical methods automatically

More than 20 new vial tests are available with integrated bar codes. The DR2800 automatically reads the bar codes to detect the appropriate test procedure, resulting in increased productivity and confidence in test results.



Compact design

The small footprint of the DR2800 (only 215 x 330mm) allows it to fit into any lab as well as being completely portable. The touch screen display is intuitive to use.

The ultimate in simplicity

Just insert the 13mm cuvette – everything else is automatic. A laser identifies the cuvette from the bar code and the unit calls up the correct test data. As the cuvette rotates it is measured 10 times and any readings that are distorted by soiling on the cuvette are automatically eliminated. The measurement result is shown in mg/L.

SPECIFICATIONS

Readout modes	Absorbance, transmittance and concentration
Wavelength range	340 to 900nm (Tungsten lamp)
Reference beam technology	To compensate for ageing of the lamp
Integrated bar code reader	Automatic identification of Hach cuvettes
Cells	Cell holder for IBR or 10mm, 50mm, 1 inch rectangular or 1 inch round
Display	High resolution LCD, switchable backlighting touchscreen
Data storage	Up to 500 measured values, 50 user methods, 200 stored methods
Ports	USB, printer, USB stick
Battery (optional)	Lithium
Ambient conditions	10 to 40°C 0 to 90% RH
Dimensions	220 x 137 x 332mm

ORDERING INFORMATION

DR2800 Portable Spectrophotometer

Reference: HH/LPV422

£2245.00



camlab

DR/2800 Parameters

Alachlor	low ppb	DEHA	3-450µg/l	PCB	low ppb
Aluminium	0.002-0.8mg/l	DO	6µg/l-40mg/l	Phenols	0.002-0.2mg/l
Ammonia	0.01-50mg/l	Erythorbic acid	13-1500µg/l	Phosphonates	0.02-125mg/l
Arsenic	0.02-0.2mg/l	Fluoride	0.02-2mg/l	Phosphorous AH	0.06-3.5mg/l
Atrazine	low ppb	Formaldehyde	2-500µg/l	Phosphorous R	19µg/l-100mg/l
Barium	2-100mg/l	Hardness total	4ug/l-4mg/l	Phosphorous T	0.06-100mg/l
Benzotriazole	0.2-16mg/l	Hydrazine	4-600µg/l	Potassium	0.1-7mg/l
Boron	0.02-14mg/l	Hydroquinone	9-1000µg/l	QAC	0.2-5mg/l
Bromine	0.05-4.5mg/l	Iodine	0.07-7mg/l	Selenium	0.01-1mg/l
Cadmium	0.7µg/l-0.3mg/l	Iron ferrous	0.02-3mg/l	Silica	3µg/l-100mg/l
Carbohydrazine	5-600µg/l	Iron total	0.009-3mg/l	Silver	0.005-0.7mg/l
Chloramine mono	0.04-10mg/l	Lead	3ug/l-2mg/l	Sulphate	2-70mg/l
Chloride	0.1-25mg/l	Manganese	0.006-20mg/l	Sulphide	5-800µg/l
Chlorine dioxide	0.01-1000mg/l	MEKO	15-1000µg/l	Surfactants	0.002-0.275mg/l
Chlorine free	0.02-10mg/l	Mercury	0.1-2.5µg/l	Suspended solids	5-750mg/l
Chlorine total	2ug/l-10mg/l	Molybdenum	0.02-40mg/l	Tannin/Lignin	0.1-9mg/l
Chromium hexa	0.01-1.00mg/l	Nickel	0.006-6mg/l	TOC	0.3-700mg/l
Chromium total	0.01-0.7mg/l	Nitrate	0.01-35mg/l	Tolytriazole	1-20mg/l
Cobalt	0.01-2mg/l	Nitrite	0.002-250mg/l	Toxicity	0-100% inhib
Colour	15-500units	Nitrogen total	0.5-150mg/l	TTHM	10-600µg/l
COD	0.7-15000mg/l	Nitrogen total in	0.2-25mg/l	TPH	threshold low ppm
Copper	1ug/l-5mg/l	Nitrogen total k	1-150mg/l	Volatile acids	27-2800mg/l
Cyanide	0.002-24mg/l	Ozone	0.01-1.50mg/l	Zinc	0.01-3mg/l
Cyanuric acid	5-50mg/l				

Please call our Technical Support department on **01954 233120** to discuss your reagent requirements/pricing in more detail.

Method and Reagents for Hach DR/2800

Part No	Description	Description 2	Price 2006
COD			
HH/LCI400	COD cuvette test - ISO 15705	measuring range 0-1000 mg/l	£39.95
HH/LCI500	COD cuvette test - ISO 15705	measuring range 0-150 mg/l	£39.95
HH/LCK014	COD cuvette test	measuring range 1000-10,000 mg/l	£39.95
HH/LCK114	COD cuvette test	measuring range 150-1000 mg/l	£39.95
HH/LCK214	COD cuvette test Hg Free	measuring range 0-1000mg/l	£39.95
HH/LCK314	COD cuvette test	measuring range 15-150 mg/l	£39.95
HH/LCK414	COD cuvette test	measuring range 5-60 mg/l	£39.95
HH/LCK514	COD cuvette test	measuring range 100-2000 mg/l	£39.95
HH/LCK614	COD cuvette test	measuring range 50-300 mg/l	£39.95
HH/LCK914	COD cuvette test	measuring range 5-60 g/l	£39.95
Nutrients			
HH/LCK302	Ammonium cuvette test	measuring range 47-130 mg/l NH ₄ -N *	£52.71
HH/LCK303	Ammonium cuvette test	measuring range 2.0-47 mg/l NH ₄ -N *	£52.71
HH/LCK304	Ammonium cuvette test	measuring range 0.015-2 mg/l NH ₄ -N	£52.71
HH/LCK305	Ammonium cuvette test	measuring range 1.0-12 mg/l NH ₄ -N *	£52.71
HH/LCK339	Nitrate cuvette test	measuring range 0.23-13.5 mg/l NO ₃ -	£60.69
HH/LCK340	Nitrate cuvette test	measuring range 5-35 mg/l NO ₃ -N	£61.01
HH/LCK341	Nitrite cuvette test	measuring range 0.015-0.6 mg/l NO ₂ -	£43.05
HH/LCK342	Nitrite cuvette test	measuring range 0.6-6.0 mg/l NO ₂ -N	£43.05
HH/LCK541	Nitrite, trace, cuvette test 50mm	measuring range 0.005-0.1 mg/l NO ₂	£43.05
HH/LCK138	LATON TN cuvette test	measuring range 1-16 mg/l TN *	£65.21
HH/LCK238	LATON TN cuvette test	measuring range 5-40 mg/l TN *	£65.21
HH/LCK338	LATON cuvette test	measuring range 20-100 mg/l TN *	£65.21
HH/LCK049	Phosphate (ortho) cuvette test	measuring range 1.6-30 mg/l PO ₄ -P	£39.38
HH/LCK348	Phosphate ortho/total cuvette test	measuring range 0.5-5 mg/l PO ₄ -P	£61.22
HH/LCK349	Phosphate (ortho/total) cuvette tes	measuring range 0.05-1.5 mg/l PO ₄ -P	£61.22
HH/LCK350	Phosphate ortho/total cuvette test	measuring range 2.0-20 mg/l PO ₄ -P	£61.22
HH/LCS349	Phosphate trace cuvette test	measuring range 0.03-1.5 mg/l PO ₄	£59.75
TOC & BOD			
HH/LCK380	TOC cuvette test (difference meth.)	measuring range 2-65 mg/l TOC	£124.95
HH/LCK381	TOC cuvette test (difference meth.)	measuring range 60-735 mg/l TOC	£124.95
HH/LCK383	TOC cuvette test (purging meth.)	measuring range 5-50 mg/l TOC	£103.22
HH/LCK384	TOC cuvette test (purging meth.)	measuring range 50-500 mg/l TOC	£103.22
HH/LCK385	TOC Vial Test (Purgin Method)	3-30 mg/l, 25 Tests/Box	£62.79
HH/LCK386	TOC Küvetten-Test (Austreibmethode)	30-300 mg/l, 25 Tests/Pk	£62.79
HH/LCK387	TOC Vial Test (Purgin Method)	300-3000 mg/l, 20 Tests/Box	£62.79
Metals			
HH/LCK301	Aluminium cuvette test	measuring range 0.02-0.5 mg/l *	£43.68
HH/LCK307	Boron cuvette test	measuring range 0.05-2,5 mg/l	£51.66
HH/LCK308	Cadmium cuvette test	measuring range 0.02-0.3 mg/l *	£55.13
HH/LCK213	Chromic acid baths cuvette test	(CrO ₃), measuring range 50-450 g/l	£48.51
HH/LCK313	Chromium (III and VI) cuvette test	measuring range 0.03-1.0 mg/l *	£53.97
HH/LCS313	Chromium (III+VI) trace, cuvette test	measuring range 0.005-0.25 mg/l *	£56.39
HH/LCK229	Copper baths, acid, cuvette test	measuring range 2-100 g/l Cu	£48.51
HH/LCK329	Copper cuvette test	measuring range 0.1-8.0 mg/l	£56.18
HH/LCK529	Copper, trace, cuvette test 50mm	measuring range 0.01-1.0 mg/l *	£53.97
HH/LCK319	Cynaide, easily-liberated, cuvette	measuring range 0.03-0.35 mg/l *	£59.85
HH/LCK320	Iron (II/III), cuvette test	Measuring range 0.2-6.0 mg/l *	£41.48
HH/LCK321	Iron cuvette test	measuring range 0.2-6.0 mg/l *	£43.16
HH/LCK521	Iron, trace, cuvette test 50 mm	measuring range 0.01-1.0 mg/l *	£47.99
HH/LCW021	Iron trace pipette test	mesuring range 0.05-2.0 mg/l	£66.99
HH/LCK306	Lead cuvette test	measuring range 0.1-2.0 mg/l *	£53.34
HH/LCW032	Manganese pipette test	measuring range 0.02-5.0 mg/l *	£71.51
HH/LCK326	Magnesium cuvette test	measuring test 0.5-50 mg/l	£42.11
HH/LCK237	Nickel-Sulphate and Sulphamate bath	measuring range 5-120 g/l Ni	£48.51
HH/LCK337	Nickel cuvette test	measuring range 0.1-6.0 mg/l	£56.18
HH/LCK537	Nickel, trace, cuvette test 50mm	measuring range 0.05-1.0 mg/l *	£53.97
HH/LCK354	Silver cuvette test	measuring range 0.04-80 mg/l	£45.05
HH/LCK355	Silver cuvette test	measuring range 5-2500 mg/l *	£44.84
HH/LCK359	Tin cuvette test	measuring range 0.1-2 mg/l	£55.65
HH/LCK360	Zinc cuvette test	measuring range 0.2-6.0 mg/l	£53.34
HH/LCS360	Zinc trace cuvette test	measuring range 0.02-0.8 mg/l	£51.98
Others			
HH/LCK362	Acid capacity Ks 4,3 cuvette test	measuring range 0.5-5.0 mg/l	£48.83
HH/LCW908	Acid digestion solution	for Cl- in concrete	£23.21
HH/LCK300	Alcohol cuvette test	measuring range 0.01-0.12 g/l *	£68.88



Method and Reagents for Hach DR/2800

Part No	Description	Description 2	Price 2006
HH/LCK332	Anionic surfactants, cuvette test	measuring range 0.02-2 mg/l (MBAS)	£58.49
HH/LCK241	Bitter Units cuvette test	measuring range >= 3BE	£40.95
HH/LCK388	Carbonate/CO2 cuvette test	measuring range 55-550 mg/l CO2	£60.17
HH/LCK331	Cationic surfactants, cuvette test	measuring range 0.2-2.0 mg/l	£58.49
HH/LCK311	Chloride cuvette test measur.	measuring range 1-70 mg/l+70-1000 mg/l *	£36.96
HH/LCS311	Chloride, extended MR cuvette test	measuring range 70-1000 mg/l Cl *	£36.96
HH/LCK310	Chlorine/Ozone cuvette test	measuring range 0.05-2.0 mg/l *	£31.40
HH/LCW510	Chlorine/Ozone pipette test	measuring range 0.05-1.5 mg/l Cl2/O	£41.69
HH/LCX031	Cleaning solution	for O2-electrode LO2, 50 ml	£26.15
HH/LCK395	Colour Developer cuvette test	measuring range 0.5-7.5 mg/l	£50.09
HH/LCK315	Cyanide, free, cuvette test	measuring range 0.01-0.5 mg/l *	£44.84
HH/LCK323	Fluoride cuvette test	measuring range 0.1-1.5 mg/l	£41.48
HH/LCK325	Formaldehyde cuvette test	measuring range 0.5-10.0 mg/l	£39.69
HH/LCS325	Formaldehyde trace, cuvettest test	measuring range 0.01-1.0 mg/l	£38.75
HH/LCW025	Hydrazine pipette test	measuring range 0.01-2.0 mg/l	£40.85
HH/LCW058	Hydrogen peroxide pipette test	measuring range 1-10 g/l	£41.48
HH/LCK330	Molybdenum cuvette test	measuring range 3-300 mg/l	£44.94
HH/LCK334	Non-ionic surfactants	measuring range 0.1-20 g/l	£58.49
HH/LCK333	Non-ionic surfactants, cuvette test	measuring range 0.3-20 mg/l	£60.69
HH/LCK365	Organic Acides Cuvette - Test	Measuring range 50 - 2500 mg/l	£50.19
HH/LCK345	Phenols cuvette test	measuring range 0.05-5.0 mg/l	£43.16
HH/LCK346	Phenols cuvette test	measuring range 5-200 mg/l *	£43.16
HH/LCK240	Photometric iodine sample cuvette	PJP measuring range > 0.2 Jodine va	£46.41
HH/LCK328	Potassium cuvette test	measuring range 8-50 mg/l	£40.11
HH/LCW250	Reducing agent for boiler water	measuring range 0.02-1.00 mg/l DEHA	£67.73
HH/LCK427	Residual hardness cuvette test	measuring range 0.02-0.6° dH	£40.32
HH/LCW028	Silic acid pipette test	measuring range 0.01-0.8 mg/l SiO2	£46.10
HH/LCS028	Silic acid, extend. MR, Pipette Test	measuring range 0.4-50 mg/l Si	£46.10
HH/LCK318	Sludge activity (TTC test)		£47.88
HH/LCK357	Starch cuvette test	measuring range 5-150 mg/l *	£50.61
HH/LCK153	Sulphate cuvette test	measuring range 50-150 mg/l	£46.10
HH/LCK353	Sulphate cuvette test	measuring range 150-900 mg/l	£46.10
HH/LCK653	Sulphide cuvette test	measuring range 0.1 - 2.0 mg/l	£49.14
HH/LCW053	Sulphide pipette test	measuring range 0.1-2.0 mg/l	£34.13
HH/LCW054	Sulphite pipette test	measuring range 0.1-5.0 mg/l	£41.69
HH/LCK488	TOX cuvette test, 20 determin.	20 tubes prepared	£61.11
HH/LCK242	Vicinal dicetones (MEBAK)	meas. range 0.015-0.5 mg/kg	£45.47
HH/LCK327	Water hardness cuvette test	measuring range 1-20° dH	£40.32
HH/LCX012	KCl-solution, 3 molar	saturated wit AgCl	£26.15
HH/LCX016	Standard sol.for conductivity	0,1 M KCl (250 ml)	£14.91
HH/LCX020	Dr. Lange buffer pH 4.00	technical, 1000 ml	£26.15
HH/LCX021	Dr. Lange buffer pH 7.02	technical, 1000 ml	£26.15
HH/LCX022	Dr. Lange buffer pH 10.05	technical, 1000 ml	£26.15
HH/LCX025	Set technical buffer solutions	pH 4.00, 7.02, 10.05, 50 ml each	£26.15
HH/LCX029	KCl-solution 3 molar,	saturated with AgCl	£5.36
HH/LCX030	Electrolyte solution	for O2-electrode LO2, 50 ml	£27.93
Recycling			
ZS/999-1-5	1 to 5 packs of 25	COD	£94.50
ZS/999-6-10	6 to 10 packs of 25	COD	£121.50
ZS/999-11-20	11 to 20 packs of 25	COD	£175.50
ZS/999-21-50	21 to 50 packs of 25	COD	£337.50
ZS/999-25/1	1 x 25 Litre Drum	COD	£168.75
ZS/999-25/2	2 x 25 Litre Drum	COD	£243.00
ZS/999-25/3	3 x 25 Litre Drum	COD	£310.50
ZS/999-60/1	1 x 60 Litre Drum	COD	£261.90
ZS/999-60/2	1 x 60 Litre Drum	COD	£405.00
ZS/999-60/3	1 x 60 Litre Drum	COD	£540.00
ZS/998-1-5	1 to 5 packs of 25	Other Vial Disposal	£94.50
ZS/998-6-10	6 to 10 packs of 25	Other Vial Disposal	£121.50
ZS/998-11-20	11 to 20 packs of 25	Other Vial Disposal	£175.50
ZS/998-21-50	21 to 50 packs of 25	Other Vial Disposal	£337.50
ZS/998-25/1	1 x 25 Litre Drum	Other Vial Disposal	£168.75
ZS/998-25/2	2 x 25 Litre Drum	Other Vial Disposal	£243.00
ZS/998-25/3	3 x 25 Litre Drum	Other Vial Disposal	£310.50
ZS/998-60/1	1 x 60 Litre Drum	Other Vial Disposal	£261.90
ZS/998-60/2	1 x 60 Litre Drum	Other Vial Disposal	£405.00
ZS/998-60/3	1 x 60 Litre Drum	Other Vial Disposal	£540.00

DR/800 Series Colorimeter



Depending on your testing needs, you can select a DR/820, DR/850 or DR/890 Colorimeter, pre-programmed to test for at least 20, 50 or 90 parameters, respectively. All three models include the same convenient features: auto-wavelength selection, data logging capabilities and user generated programming to name a few. These durable hand-held instruments are designed specifically for the rigours of on-site testing, with rugged components and waterproof, dustproof, chemical resistant housings. The DR/800 series colorimeter offers simple, push button program selection and step by step prompts that guide users through the testing procedure. They are equally suited for skilled analysts or for operators with limited training who appreciate ease of use and accurate results.

Advanced features include:

- Easy to use software offers push button method selection.
- The instrument retains the selected method until a new method is entered.
- Data logging capability enables you to store up to 99 measurements in the field for later access.
- User program feature allows the users to generate up to 10 custom procedures, with up to 12 data points for each.
- Advanced software includes the ability to automatically correct for reagent blanks and the option to fine tune calibration curves with the standard adjustment feature.

ORDERING INFORMATION

Each DR/800 Colorimeter comes with two sample cells marked at 10, 20 and 25ml, 16mm COD/TNT adaptor, batteries and illustrated instrument/procedures manuals.

DR/820 colorimeter 520nm	Reference: HH/48440-00	£850.00
DR/850 colorimeter 520/610nm	Reference: HH/48450-00	£940.00
DR/890 colorimeter 420/520/560/610nm	Reference: HH/48470-00	£1160.00

ACCESSORIES

Instrument carrying case	Reference: HH/49425-00	£66.60
Alkaline batteries size AA, pk4	Reference: HH/19380-04	£10.20
Rechargeable alkaline batteries AA, pk4	Reference: HH/49427-00	£14.30
DR/Check ABS standards for DR/800 calibration	Reference: HH/27639-00	£125.00



DR/800 Parameters and Reagent Sets

Parameter	Range	No. of tests	Reference	Price	DR/820	DR/850	DR/890
Aluminium	0-0.8mg/l	100	HH/22420-00	£118.70	•	•	•
Benzotriazole	0-16mg/l	100	HH/21412-99	£35.70			•
Boron	0-1.60mg/l	100	HH/26669-00	£59.30	•	•	•
Bromine	0-4.50mg/l	100	HH/21056-69	£15.10	•	•	•
Bromine(Accuvac)	0-4.50mg/l	25	HH/25030-25	£20.70	•	•	•
Chlorine free HR	0-5.00mg/l	100	HH/14070-99	£15.10	•	•	•
Chlorine free	0-2.00mg/l	100	HH/21055-69	£12.20	•	•	•
Chlorine free(Accuvac)	0-2.00mg/l	25	HH/25020-25	£20.70	•	•	•
Chlorine total HR	0-5.00mg/l	100	HH/14064-99	£15.10	•	•	•
Chlorine total	0-2.00mg/l	100	HH/21056-69	£15.10	•	•	•
Chlorine total(Accuvac)	0-2.00mg/l	25	HH/25030-25	£20.70	•	•	•
Chlorine dioxide	0-50mg/l	-	-				•
Chromium hex	0.0-0.60mg/l	100	HH/12710-99	£22.20			•
Chromium hex(Accuvac)	0.0-0.60mg/l	25	HH/25050-25	£27.80			•
Chromium total	0.0-0.60mg/l	100	HH/22425-00	£115.50			•
Colour (Platinum Cobalt)	0-500 units	-	-				•
Copper	0-5.0mg/l	100	HH/21058-69	£25.30			•
Copper(Accuvac)	0-5.0mg/l	25	HH/25040-25	£27.80			•
Copper Porphyrin	0-210µg/l	100	HH/26033-00	£238.40			•
Cyanide	0-0.240mg/l	100	HH/24302-00	£61.80		•	•
Cyanuric acid	7-55mg/l	50	HH/02460-66	£17.90	•	•	•
DEHA	0-500µg/l	100	HH/24466-00	£77.40			•
Detergents	0-0.30mg/l	100	HH/24468-00	£204.80		•	•
Fluoride	0-2.0mg/l	100	HH/00444-49	£19.60		•	•
Fluoride(Accuvac)	0-2.0mg/l	25	HH/25060-25	£27.80		•	•
Hardness, Calcium	0-4.0mg/l	100	HH/23199-00	£50.70	•	•	•
Hardness, Magnesium	0-4.0mg/l	100	HH/23199-00	£50.70	•	•	•
Hydrazine	0-500µg/l	100	HH/01790-32	£14.30			•
Hydrazine(Accuvac)	0-500µg/l	25	HH/25240-25	£27.80			•
Iron ferrous	0-3.0mg/l	100	HH/01037-69	£16.60	•	•	•
Iron ferrous(Accuvac)	0-3.0mg/l	25	HH/25140-25	£27.80	•	•	•
Iron total FerroMo	0-1.8mg/l	100	HH/25448-00	£88.00		•	•
Iron total FerroVer	0-3.0mg/l	100	HH/21057-69	£13.50	•	•	•
Iron total FerroVer(Accuvac)	0-3.0mg/l	25	HH/25070-25	£27.80	•	•	•
Iron total FerroZine	0-1.3mg/l	50	HH/02301-66	£20.60			•
Iron total TPTZ	0-1.8mg/l	100	HH/26087-99	£35.10		•	•
Iron total TPTZ(Accuvac)	0-1.8mg/l	25	HH/25100-25	£27.80		•	•
Manganese HR	0-20mg/l	100	HH/24300-00	£42.20	•	•	•
Manganese LR	0-0.70mg/l	50	HH/22433-00	£100.70			•
Molybdenum Molybdate	0-40mg/l	100	HH/26041-00	£82.70			•
Molybdenum Molybdate(Ac)	0-40mg/l	25	HH/25220-98	£34.20			•
Molybdenum ternary complex	0-3.0mg/l	100	HH/24494-00	£44.80		•	•
Nickel	0-1.0mg/l	100	HH/22426-00	£200.60			•
Nitrate HR	0-30mg/l	100	HH/21061-69	£25.30	•	•	•
Nitrate HR(Accuvac)	0-30mg/l	25	HH/25110-25	£27.80	•	•	•
Nitrate MR	0-5.0mg/l	100	HH/21061-69	£25.70			•
Nitrate MR(Accuvac)	0-5.0mg/l	25	HH/25110-25	£27.80			•
Nitrate LR	0-0.50mg/l	100	HH/24298-00	£59.90	•	•	•
Nitrate TNT	0-30mg/l	50	HH/26053-45	£93.30			•

DR/800 Parameters and Reagent Sets

Parameter	Range	No. of tests	Reference	Price	DR/820	DR/850	DR/890
Nitrite HR	0-150mg/l	100	HH/21075-69	£27.30			•
Nitrite LR(Accuvac)	0-0.35mg/l	25	HH/25120-25	£27.80	•	•	•
Nitrite TNT	0-0.50mg/l	50	HH/26083-45	£61.30	•	•	•
Nitrogen ammonia	0-0.50mg/l	100	HH/26680-00	£130.20		•	•
Nitrogen ammonia LR TNT	0-2.50mg/l	50	HH/26045-45	£90.20		•	•
Nitrogen ammonia HR TNT	0-50mg/l	50	HH/26069-45	£69.60		•	•
Nitrogen Monochloramine and free ammonia	0-0.50mg/l	50	HH/28797-04	£62.37		•	•
Nitrogen TKN	0-150mg/l	100	HH/24593-00	£58.80			•
Nitrogen total	0-25mg/l	50	HH/26722-45	£115.50			•
Nitrogen total HR TNT	0-150mg/l	50	HH/27141-00	£120.80			•
Nitrogen total Inorganic	0-25mg/l	50	HH/26049-45	£77.40		•	•
Oxygen DO HR(Accuvac)	0-15mg/l	25	HH/25150-25	£31.00	•	•	•
Oxygen DO LR(Accuvac)	0-1000ug/l	25	HH/25010-25	£31.00		•	•
COD LR	0-150mg/l	25	HH/21258-51	£31.00			•
COD HR	0-1500mg/l	25	HH/21259-51	£31.00		•	•
COD HR+	0-15000mg/l	25	HH/24159-51	£31.00		•	•
COD Manganese III	20-1000mg/l	25	HH/26234-51	£31.00	•	•	•
Ozone LR(Accuvac)	0-0.25mg/l	25	HH/25160-25	£27.80		•	•
Ozone MR(Accuvac)	0-0.75mg/l	25	HH/25170-25	£27.80		•	•
Ozone HR(Accuvac)	0-1.5mg/l	25	HH/25180-25	£27.80		•	•
pH	6.5-8.5	50	HH/26575-12	£10.50	•	•	•
Phosphonate	0-125mg/l	100	HH/24297-00	£92.30		•	•
Phosphorus(Molybdovanadate)	0-45mg/l	100	HH/20760-32	£15.20			•
Phosphorus (Molybdovanadate-Accuvac)	0-45mg/l	25	HH/25250-25	£23.20			•
Phosphorus(Phosver 3)	0-2.5mg/l	100	HH/21060-69	£30.50		•	•
Phosphorus(Phosver 3 - Accuvac)	0-2.5mg/l	25	HH/25080-25	£27.80		•	•
Phosphorus(Phosver 3 TNT)	0-5.0mg/l	50	HH/27425-45	£53.30		•	•
Phosphorus Total (Phosver 3 TNT)	0-3.5mg/l	50	HH/27426-45	£93.30		•	•
Phosphorus Acid Hydrolyzable (Phosver 3 TNT)	0-5.0mg/l	50	HH/27427-45	££72.10		•	•
Phosphorus(Amino acid)	0-30mg/l	100	HH/22441-00	£23.00	•	•	•
Silica UHR	0-200mg/l	100	HH/22443-00	£88.60			•
Silica HR	0-75.0mg/l	100	HH/24296-00	£56.10			•
Silica LR	0-1.6mg/l	100	HH/24593-00	£58.80			•
Sulphate	0-70mg/l	100	HH/21067-69	£20.90	•	•	•
Sulphate(Accuvac)	0-70mg/l	25	HH/25090-25	£27.80	•	•	•
Sulphide	0-0.7mg/l	100	HH/22445-00	£56.60		•	•
Suspended solids	0-750mg/l	-	-			•	•
Triazole	0-15mg/l	100	HH/21412-99	£35.70			•
Tannin and Lignin	0-9.0mg/l	100	HH/22446-00	£5.00		•	•
ToxiTrak Toxicity	%inhibition	100	HH/25972-00	£281.40		•	•
Turbidity	1-1000FAU	-	-		•	•	•
TOC HR	100-700mg/l	50	HH/27604-45	£171.20		•	•
TOC MR	15-150mg/l	50	HH/28159-45	£159.00		•	•
TOC LR	0-20mg/l	50	HH/27603-45	£171.20		•	•
Volatile acid (Esterification)	0-2800mg/l	90	HH/22447-00	£101.30	•	•	•
Zinc	0-3.0mg/l	100	HH/24293-00	£45.40		•	•

For details on Camlabs own range of powder pillows, TNT and COD vials please call our technical support on 01954 233120 to discuss your requirements.



LaMotte Smart2 Portable Colorimeter

The user friendly Smart2 colorimeter offers an economical easy to use alternative for field testing. Pre-programmed with 50 tests the unit is direct reading with auto wavelength selection. The entire multi LED optical system is embedded in the optical chamber and optimised for test reagent systems. The microprocessor selects the wavelength and also allows the user to load up to 10 tests for analysing reagent systems.



SPECIFICATIONS

Light source	LED/filter set up at 430,520,630nm
Detector	Photodiode
Range	0 to 125%T
Sample cell	25mm round cell, 10mm square cell or 16mm COD vial
Power	9V or AC adapter
Battery life	500 tests
Data logging	RS232, time and date stamped
Weight	315g

ORDERING INFORMATION

Smart2 colorimeter with 4 sample tubes and AC adapter.

Reference: LE/6605-0500 £690.00

ACCESSORIES
COD adapter

Reference: LE/6605-0503 £19.60

LaMotte Smart Spectro™ Spectrophotometer



A portable spectrophotometer that is easy to use, accurate, has automatic wavelength selection and pre-programmed tests. This fully functional spectrophotometer allows the user to select optimum wavelength for creating calibration curves. The user calibration software automatically calculates the best straight line fit.

Test and functions are selected from scrolling menus for ultimate simplicity and results are displayed as %T absorbance and concentration. Over 40 parameters are pre-programmed with the ability to take up to 25 user programmes. The unique optical system design uses 1200 lines/mm grating for an excellent range, greater accuracy and high resolution.

SPECIFICATIONS

Wavelength range	350 to 1000nm
Wavelength accuracy	+/- 2nm
Photometric range	0 to 125%T
Light source	Quartz halogen
Bulb life	1000 hours minimum
Detector	Silicone diode
Sample chambers	25mm round cell, 10mm square cell, COD

ORDERING INFORMATION

Smart Spectro™ Spectrophotometer complete with sample cells, AC adapter, batteries and instructions.

Reference: LE/6605-0020 £1560.00

ACCESSORIES

Carry case
SMARTLink software with cable

Reference: LE/6605-0021 £91.00
Reference: LE/6605-0023 £149.00



Reagent systems for use on the Smart2 colorimeter and Smart Spectro™ Spectrophotometer.

Parameter	Range ppm	Test Method	No. of tests	Reference	Price
Aluminium	0 to 0.3	ECR	50	LE/6605-0110	£51.00
Ammonia Nitrogen	0 to 1	Salicylate	25	LE/6605-0111	£33.00
Ammonia Nitrogen	0 to 4	Nesslerisation	50	LE/6605-0112	£28.00
Bromine	0 to 9	DPD	100	LE/6605-0113	£37.00
Chlorine	0 to 4	DPD	100	LE/6605-0113	£37.00
Chlorine dioxide	0 to 8	DPD/Glycine	50	LE/6605-0116	£21.90
Chromium hexavalent	0 to 1	Diphenylcarbazide	100	LE/6605-0117	£22.40
Chromium total	0 to 1	Diphenylcarbazide	100	LE/6605-0118	£124.00
Copper	0 to 6	Diethyldithiocarbamate	100	LE/6605-0124	£11.50
Copper	0 to 3.5	Bicinchoninic acid	50	LE/6605-0125	£18.60
Cyanide	0 to 0.5	Pyridine-barbituric acid	50	LE/6605-0126	£64.00
Cyanuric acid	0 to 200	Melamine	50	LE/6605-0127	£27.00
Hydrazine	0 to 1	P-dimethylaminobenzaldehyde	50	LE/6605-0129	£40.00
Hydrogen peroxide	0 to 1.5	DPD	100	LE/6605-0130	£27.00
Iodine	0 to 16	DPD	100	LE/6605-0113	£37.00
Iron	0 to 5	Bipyridyl	50	LE/6605-0131	£27.00
Iron	0 to 6	1,10 Phenanthroline	50	LE/6605-0132	£29.00
Manganese LR	0 to 5	PAN	50	LE/6605-0133	£41.00
Manganese HR	0 to 15	Periodate	50	LE/6605-0134	£56.00
Molybdenum	0 to 50	Thioglycolate	50	LE/6605-0135	£37.00
Nickel	0 to 8	Dimethylglyoxime	50	LE/6605-0136	£72.00
Nitrate	0 to 3	Cadmium reduction	20	LE/6605-0137	£31.00
Nitrite	0 to 0.8	Diazotization/coupling	20	LE/6605-0138	£31.00
Oxygen dissolved	0 to 11	Winkler colorimetric	100	LE/6605-0139	£27.00
Ozone	0 to 0.4	Indigo thiosulphonate	100	LE/6605-0140	£153.00
pH	5 to 7 pH	Colorimetric	100	LE/6605-0141	£33.00
Phenols	0 to 6	4-Aminoantipyrine	50	LE/6605-0142	£36.00
Phosphate HR	0 to 70	Molybdovanadate	50	LE/6605-0143	£14.10
Phosphate LR	0 to 3	Ascorbic acid reduction	50	LE/6605-0144	£25.00
Potassium	0 to 10	Tetraphenylboron	100	LE/6605-0145	£39.00
Silica LR	0 to 4	Heteropolyblue	100	LE/6605-0146	£36.00
Silica HR	0 to 75	Silicomolybdate	50	LE/6605-0147	£27.00
Sulphate	6 to 100	Barium chloride	100	LE/6605-0148	£19.10
Sulphide	0 to 3	Methylene blue	50	LE/6605-0149	£43.00
Tannin	0 to 10	Tungsto-molybdophosphoric acid	50	LE/6605-0150	£34.00
Turbidity	0 to 400FTU	Absorptimetric			
Zinc	0 to 3	Zincon	50	LE/6605-0151	£74.00

Please note these units will also measure most commonly available 16mm COD vials.
For details on the **Camlab** range please see the COD testing section.

Lovibond® Comparator System 2000+



This traditional colour disc measuring system offers extremely versatile and precise analysis of water. With over 400 different test discs available the Lovibond 2000+ offers ease of use with uncompromising precision, reproducibility and choice of parameters.

Applications

- Water Treatment
- Pools
- Research Centres
- Universities
- Laboratory and Field Testing

Advantages

- More than 400 different test discs available
- Compensation for coloured and turbid samples
- Cell holder for cells with path lengths up to 40mm
- Guaranteed consistency of coloured glass standards
- Integrated prism
- Easy change of discs without opening comparator

ORDERING INFORMATION

Lovibond 2000+ Comparator	Reference: TT/14.20.00	£37.60
ACCESSORIES		
Portable Lighting Unit, battery operated	Reference: TT/14.20.50	£64.50
Re-charger for the above	Reference: TT/17.03.60	£25.40
Daylight 2000 Lighting Unit	Reference: TT/17.20.00	£290.00
Water Sampler with 500ml bottle and lid	Reference: TT/17.05.00	£37.80
Glass cell, 13.5mm with lid pk5	Reference: TT/35.42.43	£20.00
Plastic cell, 13.5mm with lid pk5	Reference: TT/14.55.00	£11.90
Plastic cell, 13.5mm with lid pk100	Reference: TT/14.55.10	£16.60
Cell Stand for 10 standard cells	Reference: TT/17.02.60	£43.00
Nessleriser 2150 with stand	Reference: TT/17.21.50	£108.00
Stand for 12 Nessler tubes	Reference: TT/17.02.90	£79.80
Pair Nessler tubes, 113mm	Reference: TT/35.30.60	£10.80

Lovibond® 2000+ Comparator Kits

Comparator test kits are supplied as complete systems in a rugged carrying case. Each kit contains the Lovibond 2000+ Comparator, all required discs, sample cells, accessories and Lovibond reagents for 100 of each of the specified tests.

The operating instructions provided with each kit provide a step by step explanation on how to conduct each test ensuring that even 'non-chemists' can achieve reliable and accurate results in the minimum of time.



SPECIFICATIONS

Application	Test	Range	Reference	Price
Drinking Water	Chloride (salinity)	0-5000mg/l Cl	TT/41.35.70	£623.00
	Chlorine	0.02-0.3mg/l Cl ₂		
	Chlorine	0.2-4mg/l Cl ₂		
	Hardness total	0-500mg/l CaCO ₃		
	Fluoride	0-1.6mg/l F		
	Hazen Colour	10-90mg Pt/l		
	pH value	6.8-8.4		
Sewage and Domestic Effluents	Ammonia	0-1mg/l N	TT/41.35.80	£733.00
	Chlorine	0.1-1mg/l Cl ₂		
	Chlorine	1-10mg/l Cl ₂		
	Nitrite	0.05-0.5mg/l N		
	Permanganate(BOD)	0-60mg/l		
	pH value	4-8, 8-9.6		
	Sulphide	0-0.5mg/l S		
Mini Lab Heavy Metals	Chromium	10-100µg Cr	TT/41.36.80	£592.00
	Copper	2.5-50µg Cu		
	Cyanide	0.05-1mg/l Cn		
	Nickel	1-10mg/l		
	Zinc	0-50µg/l Zn		

TEST DISCS

More than 400 different discs are available for colorimetric water analysis. Every disc is fitted with guaranteed colour stable, non fading glass filters. For details of the full range please contact our technical support on 01954 233120.

Hach Digesdahl Digestion Apparatus



The Digesdahl Digestion Apparatus is designed to rapidly digest many organic and mineral samples for subsequent analysis by spectrophotometric, turbimetric or titrimetric methods. Use the Digesdahl to determine Kjeldahl nitrogen (crude protein), phosphorus, calcium, potassium, iron, copper, magnesium, manganese, lead, zinc, cadmium and chromium in a variety of solid and liquid samples.

Digestion on most samples is completed in 10 minutes.

Elimination of metal catalysts

Digestions are completed using sulphuric acid and hydrogen peroxide. The resulting digest is a clear solution suitable for performing complete elemental analysis with no ashing required.

Low reagent use

Digestions use only 4ml of sulphuric acid to char the sample and 10ml of peroxide reagent to complete the digestion.

Efficient fractionating column

Maximum nitrogen recovery is achieved by the unique fractionating column used for reagent addition and fume evacuation. A capillary funnel inserted into the top of the column permits a slow controlled addition of hydrogen peroxide during digestion allowing for complete sample digestion with minimum use of reagents and time.

No fume hood required*

Fumes are removed by connecting the column to either the supplied water aspirator or a mechanical blower system.

**Note: If a closed fume hood is not used a safety shield placed between the operator and the Digesdahl is required. Safety glasses are mandatory.*

Space-saving design

The unit requires a fraction of the bench space necessary for conventional digestion apparatus.

Hydrogen peroxide dispenser

The pour-out dispenser with spout and standard tapered joint fits a 500ml Erlenmeyer flask and is secured to the flask with springs. It helps analysts quickly and easily measure out exactly 10ml of hydrogen peroxide for the digestion procedure. When inverted the measuring tube in the dispenser fills with 10ml of hydrogen peroxide. When the dispenser is turned upright the aliquot can be poured out of the dispenser spout.

SPECIFICATIONS

Power consumption	250watts
Temperature control	Variable from 100 to 480°C
Dimensions	14 x 16.5 x 33.6cm. Requires total height clearance of 61cm when assembled.
Aspirator capacity	11.5L/min at a water flow rate of 6.5L/min
Water pressure	7.5psi minimum, drain required.
Weight	3.85kg

ORDERING INFORMATION

Digesdahl system complete with two digestion flasks, fractionating column and capillary funnel, aspirator, finger cots, safety glasses and assembly instructions. Hydrogen peroxide dispenser.

Reference: HH/23130-21	£1040.00
Reference: HH/22200-38	£150.20



Primary standards for Kjeldahl nitrogen

We offer three primary standards for the Kjeldahl nitrogen test. When carried through the entire test, from digestion through colorimetric measurement, the standards establish a basis for the accuracy of the entire procedure.

Ammonium p-Toluenesulphonate, 7.402% N, (46.26% crude protein), requires no digestion for complete nitrogen recovery, 25g.	Reference: HH/22779-24	£34.80
Glycine p-Toluenesulphonate, 5.665%N, (35.40% crude protein), moderately difficult to digest.	Reference: HH/22780-24	£34.80
Nicotinic acid p-Toluenesulphonate, 4.743N, (29.64% crude protein), very difficult to digest.	Reference: HH/22781-24	£34.80
Primary standard set containing one bottle of each.	Reference: HH/22778-00	£104.30

Hach Digital Titrator

An easy to use, rugged, completely portable dispenser. Hach's patented Digital titrator is a new concept in titrimetric analysis. It is a precision dispensing device fitted with concentrated titrants in compact interchangeable cartridges. Each turn of the delivery knob dispenses a calculated amount of titrant and the end-point is determined by the counter on the dispenser. Prepared titrant solutions eliminate the labour and time involved in preparation of reagents and clean-up of burettes and other glassware. Titrants can be changed in seconds. Accuracy of +/- 1% is typical for most samples.



SPECIFICATIONS

Titration	Delivery	800 digits/ml or 0.00125ml/digit
	Accuracy	+/-1%. Uncertainty of readings is 1 digit. Most samples require more than 100 digits
	Weight	132g
Cartridges	Volume	13ml
	No of tests	Most reagents are formulated to provide 100 typical titrations.
	Weight full	56.75g

ORDERING INFORMATION

Digital titrator with plastic case, manual and 5 straight delivery tubes.	Reference: HH/16900-01	£203.70
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ACCESSORIES

Delivery tubes, straight, pk5	Reference: HH/17205-00	£7.04
Delivery tubes, 90°, pk5	Reference: HH/41578-00	£4.62
Empty titration cartridge with blank label.	Reference: HH/14495-01	£8.09

Selection of Digital titrator cartridges and sets available

CAMLAB WATER REAGENTS					
Parameter	Reagents	Set	Price	Individual	Price
Acid Base LR 0 -10mg/l	Sodium hydroxide 1.6N cartridge	AP/ET0001L	£23.20	AP/HTC002	£7.20
	Sulphuric acid 1.6N cartridge			AP/HTC004	£7.20
	Phenolphthalein solution			AP/HER300	£5.20
Acid Base LR 10-4000mg/l	Sodium hydroxide 8N cartridge	AP/ET0001	£28.35	AP/HTC102	£7.20
	Sulphuric acid 8N cartridge			AP/HTC044	£7.20
	Hydrochloric acid 8N cartridge			AP/HTC050	£5.20
	Phenolphthalein solution			AP/HER300	£5.20
Acidity 10-4000mg/l	Sodium hydroxide 1.6N cartridge	AP/ET0002	29.35	AP/HTC002	£7.20
	Sodium hydroxide 0.16N cartridge			AP/HTC001	£7.20
	Phenolphthalein solution			AP/HER300	£5.20
	Bromophenol blue solution			AP/HER301	£6.20
Alkalinity 10-4000mg/l	Sulphuric acid 1.6N cartridge	AP/ET0003	£29.90	AP/HTC004	£7.20
	Sulphuric acid 0.16N cartridge			AP/HTC003	£7.20
	Phenolphthalein solution			AP/HER300	£5.20
	Bromo cresol green methyl red			AP/HER302	£6.70
Carbon dioxide 10-1000mg/l	Sodium hydroxide 0.3636N cart	AP/ET0004	£23.20	AP/HTC051	£7.20
	Sodium hydroxide 3.636N cart			AP/HCT052	£7.20
	Phenolphthalein solution			AP/HER300	£5.20
Chloride 10-10000mg/l Cl	Mercuric nitrate 0.2256N cart	AP/ET0007	£28.35	AP/HTC014	£7.20
	Mercuric nitrate 2.256N cart			AP/HTC015	£7.20
	Diphenicarbazon reagent			AP/HER308	£10.30
Chlorine total 1-400mg/l Cl ₂	Sodium thiosulphate 0.02256N cartridge	AP/ET0101	£26.30	AP/HTC031	£7.20
	Acetate buffer solution			AP/HER312	£10.30
	Potassium iodide solution			AP/HER313	£5.20
Hardness (calcium) 10-4000mg/l CaCO ₃	EDTA 0.08M cartridge	AP/ET013	£44.80	AP/HTC008	£7.20
	EDTA 0.8M cartridge			AP/HTC009	£7.20
	EDTA 0.1428M cartridge			AP/HTC056	£7.20
	EDTA 0.714M cartridge			AP/HTC029	£7.20
	Potassium hydroxide std 8N			AP/HER318	£5.20
	Calcium hardness ind. Powder			AP/HER319	£7.20
Hardness (total) 10-4000mg/l CaCO ₃	EDTA 0.08M cartridge	AP/ET014	£46.35	AP/HTC008	£7.20
	EDTA 0.8M cartridge			AP/HTC009	£7.20
	EDTA 0.1428M cartridge			AP/HTC056	£7.20
	EDTA 0.714M cartridge			AP/HTC029	£7.20
	Hardness 1 buffer solution			AP/HER318	£6.70
	Total hardness ind solution			AP/HER319	£7.20
Salinity 0-100ppt	Mercuric nitrate 2.57N cartridge	AP/ET018	£21.20	AP/HTC061	£7.20
	Diphenylcarbazon reagent			AP/HER308	£10.30
Nitrite 0-2500mg/l NaNO ₂	Ceric 0.5N cartridge	AP/ET017	£22.20	AP/HTC060	£7.20
	Ferriin indicator solution			AP/HER324	£5.20
	Sulphuric acid standard			AP/HER316	£6.20
Sulphite	Iodate-iodide 0.3998N cartridge	AP/ET019	£23.20	AP/HTC023	£7.20
	DO 3 powder			AP/HER315	£7.20
	Starch indicator solution			AP/HER314	£5.20



Selection of Digital titrator cartridges and sets available

HACH REAGENTS					
Parameter	Method	Set	Price	Cartridge	Price
Acidity 10-160mg/l	Methyl orange 0.1600 NaOH	HH/22728-00	£58.50	HH/14377-01	£15.30
Acidity 10-160mg/l	Phenolphthalein 0.1600 NaOH	HH/22728-00	£58.50	HH/14377-01	£15.30
Acidity 100-4000mg/l	Methyl orange 1.600 NaOH	HH/22728-00	£58.50	HH/14379-01	£15.30
Alkalinity 10-160mg/l	Phenolphthalein 0.160 H ₂ SO ₄	HH/22719-00	£52.30	HH/14388-01	£15.30
Alkalinity 100-4000mg/l	Phenolphthalein 1.60 H ₂ SO ₄	HH/22719-00	£52.30	HH/14389-01	£15.30
Alkalinity T 10-160mg/l	Brom Cresol/Methyl Red 0.1600 H ₂ SO ₄	HH/22719-00	£52.30	HH/14388-01	£15.30
Alkalinity T 100-4000mg/l	Brom Cresol/Methyl Red 1.600 H ₂ SO ₄	HH/22719-00	£52.30	HH/14389-01	£15.30
Carbon dioxide 10-100mg/l CO ₂	Phenolphthalein 0.3636 NaOH	HH/22727-00	£40.60	HH/14378-01	£15.30
Carbon dioxide 100-1000mg/l CO ₂	Phenolphthalein 3.636 NaOH	HH/22727-00	£40.60	HH/14380-01	£15.30
Chloride 10-160mg/l	Mercuric nitrate 0.22556 HgN ₂ O ₆	HH/22726-00	£61.30	HH/14393-01	£15.30
Chloride 10-100mg/l	Silver nitrate 0.2256 AgNO ₃	HH/22880-00	£74.30	HH/14396-01	£17.90
Chloride 100-1000mg/l	Silver nitrate 1.128 AgNO ₃	HH/22880-00	£74.30	HH/14397-01	£17.90
Chloride 100-8000mg/l	Mercuric nitrate 2.2556 HgN ₂ O ₆	HH/22726-00	£61.30	HH/00921-01	£15.30
Chlorine total 20-2000mg/l	Iodometric 0.113 Na ₂ S ₂ O ₃	HH/22725-00	£70.50	HH/22673-01	£14.90
Chlorine total 2000-70000mg/l	Iodometric 2.00 Na ₂ S ₂ O ₃	HH/24448-00	£94.40	HH/14401-01	£14.90
Hardness calcium 10-160mg/l CaCO ₃	EDTA (CalVer) 0.080 EDTA	HH/24472-00	£45.40	HH/14364-01	£15.30
Hardness calcium 100-4000mg/l CaCO ₃	EDTA (CalVer) 0.80 EDTA	HH/24475-00	£49.10	HH/14399-01	£15.30
Hardness total 10-160mg/l CaCO ₃	EDTA (ManVer) 0.080 EDTA	HH/24480-00	£35.20	HH/14364-01	£15.30
Hardness total 100-4000mg/l CaCO ₃	EDTA (ManVer) 0.80 EDTA	HH/24481-00	£35.20	HH/14399-01	£15.30
Hypochlorite 50-150g/l	Iodometric 2026 Na ₂ S ₂ O ₃	HH/26870-00	£92.80	HH/26869-01	£12.60
Iron 10-100mg/l Fe ³⁺	EDTA 0.0716 EDTA	HH/24492-00	£92.80	HH/20817-01	£15.30
Iron 100-1000mg/l Fe ³⁺	EDTA 0.716 EDTA	HH/24493-00	£44.80	HH/20818-01	£15.30
Oxygen dissolved 1-10mg/l DO	Mod. Winkler 0.200 NaS ₂ O ₃	HH/22722-00	£72.60	HH/22675-01	£15.30
Sulphite 0-800mg/l	Iodate-iodide 0.3998 KI	HH/22723-00	£49.70	HH/14961-01	£15.30

Multi-Parameter Test Kits



Camlab are able to offer a wide range of multi-parameter kits to cover many water testing applications including boiler water, spas and wastewater treatment. A small selection of these is featured in the following section. For details on the complete range or to discuss your requirements in more detail please contact our Technical Sales on 01954 233110.

Hach Professional Boiler Treatment/Boiler Feed and Cooling Water Kit – Model PBC-DT

A digital titrator based kit covering all the parameters needed for feedwater/boiling water analysis. This sophisticated kit offers testing of treatment chemicals and feedwater parameters with the accuracy demanded by water treatment professionals. Kit parameters are:

Parameter	Range mg/l	Smallest increment	No. of tests
Alkalinity	10 to 4000	0.1 or 10	100
Chloride	10 to 8000	0.1 or 20	100
Hardness	10 to 4000	0.1 or 10	100
Sulphite	0 to 800	0.1	100
Phosphate	0 to 5 and 0 to 50	0.1 or 1	100
pH	7.8 to 10 pH units	0.1 pH unit	100
pH	5.5 to 8.5 pH units	0.1 pH unit	50
Iron	0 to 5	0.1	50
Silica	0 to 40 and 0 to 800	1 or 20	50
Chlorine	0 to 3.5	0.1	50
Nitrite	0 to 2000	40	50
TDS tester	10 to 1990	10	50

ORDERING INFORMATION

Professional Boiler Treatment/Boiler Feedwater and Cooling Water Kit – PBC-DT
Reference: HH/23507-00

£840.00



Multi-Parameter Test Kits

Hach Pool and Spa Water Colour Cube kit with Bacterial growth

Direct reading colour cube and ready-to-use reagents are supplied for the pH and chlorine (or bromine) tests. Sterile sampling devices and tubed culture medium are provided for the total bacteria count test – a semi quantitative measurement of bacteria in water. Kit parameters are:

Parameter	Range mg/l	Smallest increment	No. of tests
Chlorine (total)	0.5 to 2.5	0.5	50
Bromine	1.1 to 5.5	1.1	50
Bacteria	0 to greater than 1000 bact/ml	-	6
pH	6.5 to 8.5 pH units	0.5 pH unit	50

ORDERING INFORMATION

Pool and Spa Water Colour cube kit.

Reference: HH/22349-01

£117.60

Hach Chlorine and pH kit model CN-67

Colour disc kit ideal for the measurement of chlorine and pH in pools. Spas etc. Supplied with colour comparator and discs.

Parameter	Range mg/l	Smallest increment	No. of tests
Chlorine (free and total)	0 to 3.5mg/l	0.1mg/l	100 free and total
pH	6.5 to 8.5 pH units	0.1 unit	300

ORDERING INFORMATION

Reference: HH/14111-00

£130.20

Hach Water Quality Test kit model CN-39WR

Drop count and colour disc based kit combining the most popular water treatment tests in one kit.

Parameter	Range mg/l	Smallest increment	No. of tests
Chlorine total	0 to 3.5mg/l	0.1mg/l	100
Hardness	1 drop = 1 gpg		100
Iron	0 to 5mg/l	0.1mg/l	100
pH	4 to 10 pH units	0.5unit	300

ORDERING INFORMATION

Reference: HH/02230-02

£209.00

Multi-Parameter Test Kits

Hach Water Treatment Plant Laboratory Model STPL-WRT

A kit designed as a complete self contained portable laboratory provides convenience for wastewater plant operators. Necessary reagents and equipment are supplied to test for temperature, pH, sludge settle ability, settle able matter, dissolved oxygen and chlorine.

Parameter	Range mg/l	Smallest increment	No. of tests
Chlorine (total)	0 to 3.5mg/l	0.1mg/l	100
Dissolved oxygen	1 to 10mg/l	0.01 to 0.02mg/l	100
Settle able matter	0 to 1 L (imhoff cones)	-	
Sludge settle ability	0 to 500ml (graduated cylinders)	-	
pH	4 to 10 pH units	0.5 units	300
Temperature	-10 to 110°C	-	

ORDERING INFORMATION

Reference: HH/01887-03

£690.00

Lovibond 5 in 1 Test Kit

A self contained kit in sturdy carrying case complete with colour comparator, colour discs and reagents. Step by step instructions make the unit suitable for use by non technical personnel.

Parameter	Range mg/l	Smallest increment	No. of tests
Chlorine(total)	0 to 4.0mg/l	0.1mg/l	30
pH	6.5 to 8.4pH units	0.1 unit	30
Cyanuric acid	20 to 200mg/l	20mg/l	30
Calcium hardness	20 to 800mg/l	20mg/l	30
Total alkalinity	20 to 800mg/l	20mg/l	30

ORDERING INFORMATION

Reference: TT/14.70.28

£110.20

Lovibond 2 in 1 Test Kit

A self contained kit in sturdy carrying case complete with colour comparator, colour discs and reagents. Step by step instructions make the unit suitable for use by non technical personnel.

Parameter	Range mg/l	Smallest increment	No. of tests
Chlorine(total)	0 to 4.0mg/l	0.1mg/l	30
pH	6.5 to 8.4 pH units	0.1 units	30

ORDERING INFORMATION

Reference: TT/14.70.25

£44.20



Camlab Water Powder Pillows and Tube Reagents

This new range of tube and powder sachet reagents is offered as an alternative to others currently on the market. Manufactured to the highest quality standards the range covers the majority of the popular tests at very competitive prices. Can be used with the Camlab Water range of instrumentation as well as Hach and Jenway spectrophotometers and colorimeters.



COD VIALS				
Description	Range	Pack Size	Reference	Price
Low Range COD vials	0 to 150mg/l	25	CW/24.20.721	£27.70
Mid Range COD vials	0 to 1500mg/l	25	CW/24.20.720	£27.70
High Range COD vials	0 to 15000mg/l	25	CW/24.20.722	£27.70

TUBE REAGENTS				
Description	Range	Pack Size	Reference	Price
Ammonia LR tubes	0 to 2.5mg/l N	50	CW/53.56.00	£81.65
Ammonia HR tubes	0 to 50mg/l N	50	CW/53.56.50	£81.65
Nitrate tube test	0 to 30mg/l N	50	CW/53.55.80	£84.50
Nitrogen total LR	0 to 25mg/l N	50	CW/53.55.50	£104.50
Nitrogen total HR	10 to 150mg/l N	50	CW/53.55.60	£109.25
Phosphate ortho	0.06 to 5mg/l	50	CW/53.52.00	£48.30
Phosphate acid hydrolysable and total	Acid hydrolysable 0.02-1.6mg/l P Total 0.02 to 1.1mg/l P	50	CW/53.52.50	£65.30
Phosphate total	0.02 to 1.1mg/l P	50	CW/53.52.00	£84.50



Camlab Handheld Multi-Parameter Colorimeters Model CW2000



The CW2000 range of handheld multi-parameter colorimeters offer measurements of between two and six parameters on one easy to use unit. Each meter is supplied in a rugged carrying case and includes all necessary reagents, accessories and instructions.

These microprocessor controlled units are pre-programmed and calibrated for the parameters specified and use LED's as a source of light for long term stability. This easy to use and ergonomically designed unit offers a number of advantages:

- Automatic zero calibration
- Large digital display
- Low power consumption
- Automatic switch off
- Fully sealed sample chamber

Parameters	Reference	Price
Chlorine and pH (tablet reagent)	CW/20.89.40	£270.00
Chlorine and pH (powder pillow reagent)	CW/20.99.40	£270.00
Chlorine, pH and bromine	CW/20.61.80	£255.00
Chlorine dioxide, chlorine high and low range	CW/20.88.00	£392.00
Chlorine, Cyanuric acid and pH (tablet reagent)	CW/20.60.10	£255.00
Chlorine, pH, Cyanuric acid and alkalinity (tablet reagent)	CW/20.60.50	£257.00
Chlorine, pH, cyanuric acid and urea	CW/20.92.20	£365.00
Chlorine, pH, Cyanuric acid, alkalinity and calcium hardness	CW/20.61.20	£312.00
Chlorine, pH, Cyanuric acid, alkalinity, calcium hardness and bromine	CW/20.61.90	£328.00

Single parameter CW2000 colorimeters are also available details can be found in the appropriate listing of the A-Z single parameter section. For replacement reagents please contact our Technical Support Department on 01954 233120.



Camlab Water Powder and Tube Reagents

POWDER SACHETS				
Description	Range	Pack Size	Reference	Price
Aluminum reagent set (10ml)	0 to 0.22mg/l Al	100	CW/53.50.00	£71.00
Ammonia reagent set	0 to 0.5mg/l N	100	CW/53.55.00	£83.50
Chlorine free DPD pillows (10ml)	0.01 to 5mg/l Cl	100	CW/53.01.00	£11.50
Chlorine free DPD pillows (10ml)	0.01 to 5mg/l Cl	1000	CW/53.01.03	£87.70
Chlorine total DPD pillows (10ml)	0.01 to 5mg/l Cl	100	CW/53.01.20	£11.50
Chlorine total DPD pillows (10ml)	0.01 to 5mg/l Cl	1000	CW/53.01.23	£94.40
Chlorine free DPD pillows (25ml)	0 to 5mg/l Cl	100	CW/53.01.10	£13.70
Chlorine free DPD pillows (25ml)	0 to 5mg/l Cl	1000	CW/53.01.13	£116.85
Chlorine total DPD pillows (25ml)	0 to 5mg/l Cl	100	CW/53.01.30	£13.70
Chlorine total DPD pillows (25ml)	0 to 5mg/l Cl	1000	CW/53.01.33	£103.55
Copper pillows (10ml)	0 to 5mg/l Cu	100	CW/53.03.00	£23.60
Copper pillows (10ml)	0 to 5mg/l Cu	1000	CW/53.03.03	£182.00
DEHA reagent set	20 to 500ug/l	100	CW/53.60.00	£50.00
Iron pillows Ferro (10ml)	0 to 3mg/l	100	CW/53.05.60	£12.70
Iron pillows TPTZ	0 to 1.8mg/l	100	CW/53.05.50	£16.60
Manganese reagent set LR (10ml)	0 to 0.7mg/l Mn	100	CW/53.50.90	£46.50
Manganese reagent set HR (10ml)	0 to 20mg/l Mn	100	CW/53.51.00	£48.90
Molybdate reagent set HR (10ml)	0 to 35mg/l Mo	100	CW/53.53.00	£54.80
Molybdate reagent set HR (25ml)	0 to 35mg/l Mo	100	CW/53.54.00	£60.40
Nitrite pillows (10ml)	0 to 0.3mg/l	100	CW/53.09.80	£31.75
Nitrite pillows (25ml)	0 to 0.3mg/l	100	CW/53.09.70	£32.60
Phosphate reactive pillows (10ml)	0 to 2.5mg/l	100	CW/53.15.50	£27.55
Silica reagent set LR (10ml)	0 to 1.6mg/l SiO ₂	100	CW/53.56.90	£53.20
Silica reagent set HR (10ml)	0 to 100mg/l SiO ₂	100	CW/53.57.00	£50.75
Silica reagent set UHR (25ml)	0 to 200mg/l SiO ₂	100	CW/53.56.00	£80.20
Sulphate pillows (10ml)	0 to 70mg/l SO ₄	100	CW/53.21.60	£18.95
Sulphate pillows (25ml)	0 to 70mg/l SO ₄	100	CW/53.21.50	£28.00

Camlab also offers the complete range of Hach powder pillows, Test N Tube reagents, solutions and COD vials with the complete range of Lovibond tablet and liquid reagents. Please contact our Technical Sales on 01954 233120 to discuss your requirements in more detail.

Myron Ultrameter II Portable Multi-Parameter Meters



ADVANCED DESIGN – SUPERIOR PERFORMANCE

Two models are available both delivering accuracy and performance at a realistic price. An accuracy of $\pm 1\%$ of reading is achieved via the advanced four electrode conductivity cell technology, a unique pH/ORP sensor and powerful microprocessor based technology. With display values of up to 999 the full four digits LCD ensures resolution levels never before seen in such an affordable unit. The innovative engineering makes the Ultrameters extremely easy and quick to use in three simple steps: fill the cell cup, push the parameter key and take the reading.

Advanced features:

- Fully automatic temperature compensation
- User adjustable temperature compensation which allows the TC to be disabled if required.
- User adjustable conductivity/TDS conversion ratio for greater accuracy.
- Auto shut off
- Non volatile microprocessor provides data backup even when the battery is changed
- Extended life pH/ORP sensor is replaceable in the field.

SPECIFICATIONS

	4P II	6P II
Conductivity Range	0-9999 μ S, 10-200mS in 5 auto ranges	0-9999 μ S, 10-200mS in 5 auto ranges
TDS	0-9999ppm, 10-200ppt in 5 auto ranges	0-9999ppm, 10-200ppt in 5 auto ranges
Resistivity	10K - 30M ohms	10K - 30M ohms
pH	-	0-14
ORP	-	\pm 999mV
Temperature	0 - 71°C 32-160°F	0 - 71°C 32-160°F
Auto ranging	Yes	Yes
Adjustable Temperature Compensation	Yes	Yes
Memory	100 readings	100 readings
Auto off	Yes	Yes
pH calibration prompts	-	Yes
Battery life	Better than 100 hours	Better than 100 hours
Power	9V battery	9V battery
Rating	IP67/NEMA6	IP67/NEMA6
Storage temperature	0 - 55°C	0 - 55°C

ORDERING INFORMATION

4PII Conductivity, TDS, Resistivity and Temperature meter

Reference: MY/4PII

£670.00

6PII Conductivity, TDS, Resistivity, pH, ORP and Temperature meter

Reference: MY/6PII

£890.00



camlab

Myron TechPro Portable Meters for Conductivity/TDS, pH and Temperature

These portable handheld units give an economical alternative to the Ultra range. TechPro instruments are hand-held, lightweight and simple to operate. Three models are available covering conductivity/TDS, pH and temperature. The highly stable circuitry delivers the accurate readings needed to assure accurate readings are obtained in all conditions. All models are designed with internal electrodes to prevent breakage and prolong the electrode life. The rugged water resistant case protects the electronics of the instrument and fits comfortably in your hand.



- Long life internal conductivity and pH electrodes
- Splash proof
- Easy to use
- Auto temperature compensation to 25°C
- Auto-ranging

SPECIFICATIONS

	TP1	TPH1	pH1
Conductivity	0 - 199.9 μ S, 200 - 1999 μ S and 2.00-19.99mS	0 - 199.9 μ S, 200 - 1999 μ S and 2.00-19.99mS	-
TDS	0-199.9ppm, 200-1999ppm and 2.00-19.99ppt	0-199.9ppm, 200-1999ppm and 2.00-19.99ppt	-
pH	-	0 - 14	0 - 14
Temperature	0 - 71°C	0 - 71°C	0 - 71°C
Cell capacity	5ml	5ml	5ml
Operating temperature	0-55°C	0-55°C	0-55°C
Protection	IP64/NEMA3	IP64/NEMA3	IP64/NEMA3

ORDERING INFORMATION

TechPro meter for conductivity/TDS and temperature	Reference: MY/TP1	£560.00
TechPro meter for conductivity/TDS, pH and temperature	Reference: MY/TPH1	£780.00
TechPro meter for pH and temperature	Reference: MY/PH1	£310.00

Myron Standard Solutions

All supplied in US quarts

Reference: MY/442-30Q	30ppm/47 μ S	£21.80
Reference: MY/442-150Q	150ppm/229 μ S	£21.80
Reference: MY/442-300Q	300ppm/445 μ S	£21.80
Reference: MY/442-1000Q	1000ppm/1417 μ S	£21.80
Reference: MY/442-1500Q	1500ppm/2060 μ S	£21.80
Reference: MY/442-3000Q	3000ppm/3920 μ S	£21.80
Reference: MY/442-15000Q	15000ppm/16630 μ S	£21.80
Reference: MY/KCL-7000	7000uS/5687ppm	£21.80

Hach Senslon™ 156 Portable Multi-Parameter Meter



Bring one instrument into the field with Multi-Parameter confidence. The Senslon 156 has the capability to easily measure pH, DO, conductivity, TDS, salinity and temperature. The meter features an intuitive user interface, making it easy to navigate between parameters. You also get quick calibration with automatic temperature corrections, for consistently accurate worry free results.

Storing 199 points of data and downloading are made easy with Hach's unique docking station, which also converts your battery powered Senslon to AC power. Optional accessories, like the BOD adapter, Carrying case and LIS chamber will further accommodate this truly flexible meter to your needs.

Other features include:

- Slip resistant keypad
- Anti-glare coating
- Quick calibration
- Automatic buffer recognition
- Watertight IP67 rated seal.

SPECIFICATIONS

Conductivity	0 to 199.9uS/cm, 200 to 1999uS/cm, 2 to 19.9ms/cm and 20 to 199.9mS/cm
TDS	0 to 50000mg/l as NaCl
Salinity	0 to 42g/l
Temperature	-10 to +110°C
pH	-2.00 to 19.999
MV	-2000 to +2000
Dissolved oxygen	0 to 20mg/l, 0.1% saturation

ORDERING INFORMATION

Senslon 156 Portable pH/Conductivity meter with Platinum pH electrode and 4 wire conductivity probe.	Reference: HH/54650-10	£930.00
Senslon 156 Portable pH/Conductivity meter with conventional pH electrode and 4 wire conductivity probe.	Reference: HH/54650-11	£880.00
Senslon 156 Portable pH/Dissolved Oxygen meter with platinum pH electrode and DO probe.	Reference: HH/54650-12	£1210.00
Senslon 156 Portable pH/Dissolved Oxygen meter with conventional pH electrode and DO probe.	Reference: HH/54650-13	£1160.00
Senslon 156 Portable pH/Conductivity/Dissolved Oxygen meter with platinum pH electrode and conductivity and DO probes.	Reference: HH/54650-14	£1420.00
Senslon 156 Portable pH/Conductivity/Dissolved Oxygen meter with conventional pH electrode and conductivity and DO probes.	Reference: HH/54650-15	£1350.00
Electrode stand.	Reference: HH/45300-00	£96.00
Electrode stand with stirrer.	Reference: HH/45300-02	£256.20
HachLink™ software for computer interface.	Reference: HH/49665-00	£293.00
Docking station	Reference: HH/51875-02	£152.30
LIS chamber (for low ionic strength samples)	Reference: HH/51899-00	£88.00
Carrying case (rigid)	Reference: HH/51917-00	£64.10



Schott Handylab Portable Multi-Meters

Battery operated portable Multi-meters in robust waterproof housing; combine the function of two or three instruments in one meter. Ideally suited for on-site applications. The Handylab pH/LF12 measures pH, Redox, conductivity and temperature with the Multi12 having the additional benefit of dissolved oxygen.

Both meters have one or two point calibration for pH and integrated calibration functions for conductivity and oxygen concentration. Data storage and an RS232 port are available as standard.



SPECIFICATIONS

	Handylab pH/LF12	Handylab Multi12
pH	-2.00 to +19.99	-2.00 to +19.99
MV	-1999 to +1999	-1999 to +1999
Temperature	-5 to +105°C	-5 to +105°C
Dissolved oxygen	-	0 to 19.99mg/l, 0 to 90mg/l
Saturation range	-	0 to 199.9%, 0 to 600%
Auto temperature compensation	-	0 to 50°C
Conductivity	1 µS/cm to 500mS/cm	1 µS/cm to 500mS/cm
Salinity to IOT table	0 to 70	0 to 70
Data storage	500 points	500 points
Real time clock/date	Yes	Yes

ORDERING INFORMATION

Schott Handylab meter pH/LF12 complete with BlueLine 24 pH electrode, 4-pole conductivity probe, and calibration and maintenance accessories.

Reference: SC/28.520.3473

£930.00

Schott Handylab meter Multi12 complete with BlueLine 24 electrode, 4 pole conductivity probe, DO sensor and calibration and maintenance accessories.

Reference: SC/28.520.3519

£1560.00

Hanna Multi Tester



A portable laboratory for pH, conductivity, Redox and temperature measurement.

This meter provides a quick and reliable measurement of the four most important variables in water analysis (pH, ORP, conductivity and temperature). Analysis is simple. After a two and single point calibration for pH and conductivity respectively simply fill the base of the multi tester with your sample, turn the unit on, switch to the desired range and read your measurement.

SPECIFICATIONS

pH	0 to 14
Redox	-2000 to +2000mV
Conductivity	0 to 1999µS/cm
Temperature	0 to 60°C
Calibration	pH two points, Conductivity one point
Battery	3 off 1.5V (included)
Battery Life	200 hours continuous use.
Weight	260g

ORDERING INFORMATION

Multi tester complete	Reference: HI/6602-4220	£151.20
ACCESSORIES		
Spare batteries each (three required)	Reference: FL/6601-0104	£1.70

Hanna pH, Conductivity and TDS Meter Model 9812

An economical multi-parameter meter.

This portable combination meter provides field measurement of pH, conductivity and TDS in a rugged easy to use format. All measurements are carried out using one probe with fast response time. Calibration has been reduced to a single point for pH and conductivity/TDS and the accuracy is enhanced by the automatic temperature compensation.



SPECIFICATIONS

pH	0 to 14
Conductivity	0 to 1990 μ S/cm
TDS	0 to 1990mg/l
Calibration	Manual 1 point through trimmer for all parameters
Temperature compensation	ATC 0 to 50°C
Battery	1 off 9V
Battery life	150 hours (approx.)
Weight	520g

ORDERING INFORMATION

Hanna 9812 multi-parameter meter with electrode,
pH buffer, conductivity standard, battery and instructions.

Reference: HI/6602-5453

£129.15

ACCESSORIES

Replacement probe (pH, conductivity and TDS)

Reference: HI/6602-5548

£55.00

LaMotte TC-3000 Tri-Meter (Chlorine, Turbidity and Colour)



The new TC-3000 meter gives you three meters in one. Available in ISO or EPA versions the meter will measure Chlorine, turbidity and colour. The unique six detector design allows for long term stability over a wide range of operational conditions with no loss in performance.

Each unit is supplied in a carrying case with everything needed to undertake testing immediately including DPD tablets, sample tubes, battery, sample bottle, 0, 1, and 10 NTU turbidity standards and comprehensive instruction/procedures manual.

SPECIFICATIONS

Turbidity	
Unit of measure	NTU, FNU, FAU, ASBC, EBC
Range	0-4000
Resolution	0.01NTU/FNU 0.00-10.99 0.1NTU/FNU 11.00-109.9 1NTU/FNU 110 - 4000
Accuracy	+/-2%
Range selection	Automatic
Detection limit	0.05NTU/FNU
Reproducibility	0.02NTU/FNU 0.5FAU
Light source	860nm LED(ISO) Tungsten (EPA)
Chlorine	
Range	0-10ppm (mg/l)
Resolution	0.01ppm(0-5) 0.1ppm(5-10)
Accuracy	0.02 or +/-2%
Detection limit	0.02ppm
Response time	less than 5 seconds
Light source	525nm LED
Colour	
Range	0-500cu
Accuracy	+/- 0.5cu or 2%
Detection limit	0.2cu
Light source	375nm UV LED
Resolution	0.1cu (0-99.9cu)
Meter Features	
Power	9V or AC Optional
Data logging	4000 points

ORDERING INFORMATION

TC-3000e Meter with accessories and instructions
TC-3000I Meter with accessories and instructions

Reference: LE/1964-EPA
Reference: LE/1964-ISO

£980.00
£980.00



4 in 1 Multi-Function Environment Meter

A cost effective introduction to aid conformance to health and safety in the workplace. It measures Sound Levels, Light Levels, %RH and Temperature. The high contrast LCD display has large digits and function indicators.



Features:

- Electric condenser microphone for sound level measuring C frequency at fast response.
- Cosine corrected silicon diode for Lux level.
- Semiconductor sensor for humidity measurement.
- K type input for °C/°F temperature measurements.
- Max hold retains current measured values.
- Max memory displays highest measured value since power on.
- Auto power off prolongs battery life.
- Low battery warning.
- Standard 4mm camera bush for tripod mounting.
- Supplied in carrying case with Lux, RH, Wire temperature sensors, battery, wind muffler and instructions for use.

SPECIFICATIONS

Sound	35 to 130dB
Lux	0 to 20000
%RH	25 to 95%
Temperature	-20 to 750°C
Operating temperature	0 to 40°C
Power	9V PP3 battery
Weight	250g

ORDERING INFORMATION

4 in 1 Environment Meter
4 point calibration certificate.
Instrument tripod

Reference: AT/6633-1103	£131.00
Reference: AT/6633-1104	£115.00
Reference: AT/6633-1105	£37.00

Quantofix Indicator Papers



For the semi quantitative determination of ions.

A Quantofix test stick consists of a plastic strip of 0.2mm thickness to which at the lower end a test paper has been sealed. The size of the test paper area permits a clear comparison with the fields of equal size of the colour scale provided on the plastic box. The length of the test sticks is sufficient to permit easy handling even in cases where aggressive or otherwise noxious solutions are to be tested. The plug of the vial contains a desiccant for increased shelf life of the sticks.

Shelf life 2.5 years. Supplied in boxes of 100 sticks 6x95mm. except calcium in tubes of 60.

Parameter	Range/Graduation mg/l	Reference	Price
Aluminium	0-5-20-50-200-500	MN/913.07	£28.00
Ammonium	0-10-25-50-100-200-400	MN/913.15	£28.00
Ascorbic acid	0-50-100-200-300-500-1000-2000	MN/913.14	£19.00
Calcium	0-10-25-50-100	MN/913.24	£35.00
Carbonate hardness	0-3-6-10-15-20 deg German hardness	MN/913.23	£17.00
Chloride	0-500-100-1500-2000-3000	MN/913.21	£20.20
Chlorine	0-1-3-10-30-100	MN/913.17	£35.00
Chromate	0-3-10-30-100	MN/913.01	£21.80
Cobalt	0-10-25-50-100-250-500-1000	MN/913.03	£19.90
Copper	0-10-30-100-300	MN/913.04	£13.90
Cyanide	0-1-3-10-30	MN/913.18	£34.00
Formaldehyde	10-20-40-60-100-200	MN/913.28	£30.00
Iron 1000	0-5-20-50-100-250-500-1000	MN/913.02	£14.30
Iron 1000	0-2-5-10-25-100	MN/913.08	£14.30
Molybdenum/molybdate	5-20-50-100-250	MN/913.25	£38.00
Nickel	0-10-25-50-100-250-500-1000	MN/913.05	£17.00
Nitrate/nitrite	0-10-25-50-100-25-500 for NO ₃ 0-1-5-10-20-40-80 for NO ₂	MN/913.13	£17.80
Nitrite	0-1-5-10-20-40-80	MN/913.11	£16.80
Nitrite 3000	0-0.1-0.3-0.6-1-2-3 g/l	MN/913.22	£16.80
Peroxide 100	0-1-3-10-30-100	MN/913.12	£16.80
Peroxide 25	0-0.5-2.5-10-25	MN/913.19	£16.80
Phosphate	0-3-10-25-50-100 PO ₄	MN/913.20	£25.00
Potassium	0-200-400-700-1000-1500	MN/913.16	£27.00
Sulphate	200-400-800-1200-1600	MN/913.29	£17.80
Sulphite	0-10-25-50-100-250-500-1000	MN/913.06	£17.00
Tin	0-10-25-50-100-250-500	MN/913.09	£24.60
Zinc	0-2-5-10-25-50-100	MN/913.10	£26.00

Hach Water Quality Test Strips

Hach test strips are easy to use and easy to read. In the field technicians can test many samples in only a few minutes, and make immediate evaluations on site. No measuring, setting up, cleaning up or chemical handling are necessary. Laboratory technicians can also use them for pre test screening to detect the presence of materials that might interfere with lab testing. Hach test strips use proven chemistries based on standard methods used all over the world. Supplied in packs of 50 except ammonia, iron, copper and nitrate/nitrite which come in packs of 25.



Parameter	Range/Increments mg/l	Reference	Price
Alkalinity, total	0-40-80-120-180-240	HH/27448-50	£11.60
Chlorine free and total	0-0.5-1-2-4-10	HH/27450-50	£14.10
Hardness total	0-25-50-120-250-425	HH/27452-50	£14.60
Iron total	0-0.15-0.3-0.6-1-2-5	HH/27453-25	£8.51
Copper total	0-0.2-0.5-1-3	HH/27451-25	£8.51
Nitrate Nitrite	0-1-2-5-10-20-50 nitrate 0-0.15-0.3-1-1.5-3 nitrite	HH/27454-25	£8.51
pH	4-5-6-7-8-9 pH units	HH/27456-25	£6.41
Ammonia	0-0.25-0.5-1-3-6	HH/27553-25	£8.51
Phosphate	0-5-15-30-50	HH/27571-50	£17.30
5 in 1		HH/27552-50	£18.30
Chlorine total	0-0.5-1-2-4-10		
Chlorine free	0-0.5-1-2-4-10		
Total hardness	0-25-50-120-250-425		
Total alkalinity	0-40-80-120-180-240		
pH	6.2-6.8-7.2-7.8-8.4		

Camlab tube tests

A new range of easy to use self contained tube kits. Each tube contains everything you need to carry out the test with pictorial instructions and colour change charts included on the side of the tube. Each kit contains sufficient reagents for approximately 50 tests.

Price per tube £12.50

Parameter	Range	Reference
Alkalinity (P)	0-600ppm	AP/MMD2503
Alkalinity (Total))	0-600ppm	AP/MMD2502
Bromine	1.25-5.0ppm	AP/MMD1008
Chlorine	0.5-2.0ppm	AP/MMD1036
Chlorine	10-60ppm	AP/MMD1037
Hardness (Total)	0-600ppm	AP/MMD1003
Hardness (Y/N)	4ppm cut off	AP/MMD1002
Iron	0.50-0.5ppm	AP/MMD1005A
Iron	0.5-1.0ppm	AP/MMD1005
pH	4-8pH	AP/MMD1004
pH	5-8pH	AP/MMD1004A
Phosphate	0.5-6.0ppm	AP/MMD1006
Phosphate	20-80ppm	AP/MMD1007

Camlab Service Department



* where appropriate.

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