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**ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS
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Page 1 of 9 pages**

	<i>Amendment</i>
	<p>NEW ITEMS</p> <p><u>Disposable Cells</u> PMMA. Macro, square, 2-clear sides, 10mm path length. Pack of 100.</p> <p>CA407-25 Macro cells</p> <p>PMMA. Semi-micro, square, 10mm path length. Pack of 100.</p> <p>CA407-30 Semi-micro cells</p>
	<p>CANCELLATIONS</p> <p>HY605-75 Cancelled, no replacement</p> <p>HY650-20 Cancelled, no replacement HY650-86 Cancelled, no replacement</p> <p>HY654-22 Cancelled, special order only HY654-30 Cancelled, special order only HY654-34 Cancelled, special order only HY654-45 Cancelled, special order only HY654-53 Cancelled, special order only HY654-57 Cancelled, special order only HY654-61 Cancelled, special order only HY654-65 Cancelled, special order only</p>
	<p>NEW ITEMS</p> <p><u>Identi-tape™</u> Generally as LA302 series but supplied in a roll of 55 metres. Supplied in colours as indicated.</p> <p>LA302-12 Blue LA302-17 Green LA302-22 Orange LA302-27 Red LA302-32 White LA302-37 Yellow</p>

NEW ITEM

Melting Point Apparatus, Stuart Model SMP20

Based on the MG158-10 but with additional features to improve functionality and ease of use.

- ▲ Maximum temperature 300°C
- ▲ Digital temperature setting and control
- ▲ 4 digit LED display and adjustable resolution 0.1/1°C
- ▲ Pt100 temperature sensor
- ▲ 'Hold' button freezes the display when pressed at viewed melting point
- ▲ Heating rates:
 - 20°C/minute to plateau temperature
 - adjustable ramp rate 1 to 10°C/minute to melt
- ▲ Accepts up to 2 sample tubes
- ▲ Built-in sample illumination
- ▲ Extendable rear feet for optimal viewing angle

Melting Point Apparatus, SMP20

As described. Maximum temperature 300°C. Accuracy $\pm 1^\circ\text{C}$ at 20°C, ± 2.5 at 300°C. With Pt100 sensor, digital setting, control adjustable to 0.1/1°C and 4 digit LED readout. Overall 160 x 220 x 170mm W x H x D. Weight 1.8kg. For 230V 50Hz single phase supplies, 75W. Supplied with calibration certificate and 100 melting point tubes, open both ends.

MG165-10 SMP20

NEW ITEM

Microtube plate - Elkay Thermo-Fast

Generally as MW745-series but fully skirted. Supplied in a pack of 50.

MW745-34 Thermo-Fast 0.2ml skirted plates, non-sterile. Pk. 50

NEW ITEMS

Disposable Pipette Tips

RefillPro Tip Reload System

Provide a robust, economical solution for tip reloading requirements. Reusable, autoclavable racks manufactured from recycled plastic. Can be fitted with refill “wafers” of 96 non-sterile tips. No special tools or alignment devices are required. A hinged lid protects the tips between uses.

- ▲ Tip capacities: 10µl extended, 200µl, 300µl and 1250µl extended
- ▲ Tips manufactured in 100% virgin polypropylene, certified RNase, Pyrogen and DNase free.
- ▲ Single and multichannel pipettor compatibility
- ▲ Extended pattern tips allow insertion into narrow neck tubes and plates
- ▲ Plastic rack waste reduced by over 60%

Selection chart

Capacity, µl	Colour	For use with
1 to 10 (extended)	Natural	Biohit, Finnpipette, Gilson P2/P10, Nichiryo, Oxford, Rainin, Socorex, Volac
1 to 200	Yellow	Biohit, Brand, Eppendorf, Finnpipette, Gilson P200, Socorex, Volac
1 to 300 (multichannel)	Natural	Biohit, Brand, Eppendorf, Finnpipette, Rainin, Socorex, Volac
200 to 1250 (extended)	Natural	Biohit, Brand, Eppendorf, Finnpipette, Gilson P1000, Nichiryo, Oxford, Rainin, Socorex, Volac

RefillPro Tip Reload System

Comprising 10 empty racks (8 - 1250µl tips only) and one refill pack of 40 nested wafers x 96 tips (32 wafers - 1250µl tips only) with capacities as indicated.

PR870-58	1 to 10µl
PR870-64	1 to 200µl
PR870-67	1 to 300µl
PR870-76	200 to 1250µl

RefillPro Refill packs

40 x 96 tips (32 x 96 - 1250µl tips) in nested tip wafers with bottom tray and dust cover. Tip capacities as indicated.

PR874-58	1 to 10µl
PR874-64	1 to 200µl
PR874-67	1 to 300µl
PR874-76	200 to 1250µl

RefillPro Racks

Supplied empty, in packs of 20 racks. For tip capacities as indicated.

PR874-90	1 to 10µl, 200µl or 300µl
PR874-95	200 to 1250µl

NEW ITEMS

Stainless Steel Barrel Pumps, Burkle

Robust, manual pumps are suitable for emptying a wide range of liquid containers. All parts in contact with the liquid are electroconductive, stainless steel and suitable for handling flammable liquids. Supplied with removable discharge nozzle. Immersion tube diameter 32mm.

	Submersible length, mm	Total length, mm	Pump volume ml/stroke
PX118-05	360	475	220
PX118-15	570	350	350
PX118-20	910	1030	560

Accessory adaptors, for connections as indicated

PX118-60	Barrel screw joint, PP R2" internal steel barrel thread
PX118-65	Barrel screw joint, PP Mauser R2" internal coarse thread
PX118-70	Thread adaptor, PP 2" BSP
PX118-75	PVC barrel plug for 40-70mm diameter openings
PX120-10	Anti-static set, containing 3 connecting copper cables with clamps in plastic carry case

NEW ITEMS

Otal Foot Pump, Burkle

Polypropylene with PVC stopper. With foot operated squeeze bulb and release button to interrupt the flow. The down tube is extendible and this enables the pump to be used with various sizes of bottle. Liquid is forced into the collecting vessel by squeezing the bulb and the flow can be instantly interrupted by pressing the release button. Excess liquid can be sucked back by pumping and operating the release button. For use as a siphon, additional tubing must be attached to the outlet tube and after pumping the liquid will flow continuously. Mounted on a 3-part stopper to fit openings as indicated. Not suitable for pumping highly flammable liquids.

	Flow rate, litres/minute	Stopper size min./max. o.d mm	Outlet diameter, mm
PX127-13	20	30/70	15
PX127-20	26	30/70	18
PX127-23	30	30/70	22

CANCELLATION

QFC8/4S Cancelled, no replacement

	<p>CANCELLATION</p> <p>QZ296-94 Cancelled, no replacement</p>																												
	<p>NEW ITEMS</p> <p><u>LiquiSampler</u> Available in either PTFE or polypropylene. For single, one-handed use with thumb operated valve. Features adjustable depth mark for bottom sampling. Available in 3 sizes and in materials as indicated.</p> <table border="1"> <thead> <tr> <th></th> <th>Material</th> <th>Overall length, mm</th> <th>Capacity, ml</th> </tr> </thead> <tbody> <tr> <td>SD056-25</td> <td>PTFE</td> <td>600</td> <td>150</td> </tr> <tr> <td>SD056-30</td> <td>PTFE</td> <td>1000</td> <td>250</td> </tr> <tr> <td>SD056-34</td> <td>PTFE</td> <td>2000</td> <td>500</td> </tr> <tr> <td>SD056-40</td> <td>PP</td> <td>600</td> <td>150</td> </tr> <tr> <td>SD056-45</td> <td>PP</td> <td>1000</td> <td>250</td> </tr> <tr> <td>SD056-50</td> <td>PP</td> <td>2000</td> <td>500</td> </tr> </tbody> </table>		Material	Overall length, mm	Capacity, ml	SD056-25	PTFE	600	150	SD056-30	PTFE	1000	250	SD056-34	PTFE	2000	500	SD056-40	PP	600	150	SD056-45	PP	1000	250	SD056-50	PP	2000	500
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SD056-45	PP	1000	250																										
SD056-50	PP	2000	500																										
	<p>NEW ITEMS</p> <p><u>FoodScoop, Burkle</u> Stainless steel. Crevice-free, with smooth, mirror polished surface, preventing materials from being trapped. Particularly suitable for handling food stuffs and pharmaceutical intermediates.</p> <table border="1"> <thead> <tr> <th></th> <th>Dia. x scoop length, mm</th> <th>Capacity approx. ml</th> </tr> </thead> <tbody> <tr> <td>SH220-10</td> <td>60 x 120</td> <td>100</td> </tr> <tr> <td>SH220-20</td> <td>75 x 140</td> <td>200</td> </tr> <tr> <td>SH220-25</td> <td>85 x 155</td> <td>250</td> </tr> <tr> <td>SH220-35</td> <td>100 x 180</td> <td>350</td> </tr> <tr> <td>SH220-50</td> <td>130 x 220</td> <td>500</td> </tr> </tbody> </table>		Dia. x scoop length, mm	Capacity approx. ml	SH220-10	60 x 120	100	SH220-20	75 x 140	200	SH220-25	85 x 155	250	SH220-35	100 x 180	350	SH220-50	130 x 220	500										
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	<p>CANCELLATIONS</p> <p>SV340-10 Cancelled, offer SV340-15 SV350-40 Cancelled, offer SV350-30</p>																												
	<p>CANCELLATION</p> <p>SV600-15 Cancelled, offer SV600-20</p>																												

	<p>NEW ITEMS</p> <p><u>Test Tubes, Elkay</u> Disposable. Cylindrical with rounded base. Non-sterile. Supplied in packs of 500.</p> <p>TE730-45 Polystyrene 150 x 16 mm TE738-45 Polypropylene 150 x 16mm</p>
	<p>CANCELLATIONS</p> <p>TJ875-10 Cancelled, no replacement TJ875-90 Cancelled, no replacement TJ875-95 Cancelled, no replacement</p> <p>TJ877-13 Cancelled, special order only TJ877-21 Cancelled, special order only TJ877-25 Cancelled, special order only TJ877-33 Cancelled, special order only TJ877-37 Cancelled, special order only TJ877-41 Cancelled, special order only TJ877-45 Cancelled, special order only TJ877-85 Cancelled, no replacement</p>
	<p>CANCELLATIONS</p> <p>WS890-10 Cancelled, offer WS890-12 WS890-15 Cancelled, offer WS890-17 WS890-20 Cancelled, offer WS890-22 WS890-25 Cancelled, offer WS890-27</p> <p>WS890-30 Cancelled, offer WS890-32 WS890-35 Cancelled, offer WS890-37 WS890-40 Cancelled, offer WS890-42 WS890-45 Cancelled, offer WS890-47</p> <p>WS890-50 Cancelled, offer WS890-52 WS890-55 Cancelled, offer WS890-57 WS890-60 Cancelled, offer WS890-62 WS890-70 Cancelled, offer WS890-72</p>

NEW ITEMS

Single Parameter Meters, Hanna

Dedicated, ion-specific colorimeters offering rapid and accurate determinations in a convenient portable instrument. Ideal for use in water treatment analysis, testing drinking water and quality control.

- ▲ Direct reading LCD
- ▲ Silicon photocell detector
- ▲ LED or tungsten light source with working life as long as the instrument
- ▲ Battery-powered, with automatic shut off after 10 minutes of non-use

Hanna single Parameter Meters

Supplied with two sample cuvettes, 9V PP3 battery giving up to 40 hours operation and instruction manual. Dimensions as indicated. Weight 290g (except WS896-27 which is 420g). Require, but are not supplied with, related accessory reagents.

	Parameter	Range (resolution) mg/l	Filter nm	Overall Price H x W x D mm
WS890-12	Aluminium	0.00 to 1.00 (0.01)	470	180 x 83 x 46
WS890-17	Ammonia	0.00 to 9.99 (0.01)	466	192 x 102 x 67
WS890-22	Bromine	0.00 to 8.00 (0.01)	525	192 x 102 x 67
WS890-27	Free Chlorine	0.00 to 5.00 (0.01)	525	216 x 83 x 65
	Total Chlorine	0.00 to 5.00 (0.01)		
WS890-32	Copper	0.00 to 5.00 (0.01)	555	180 x 83 x 46
WS890-37	Iron	0.00 to 5.00 (0.01)	525	192 x 102 x 67
WS890-42	Nitrate	0.00 to 30.00 (0.1)	525	192 x 102 x 67
WS890-47	Nitrite, low	0.00 to 0.600 (0.01)	525	192 x 102 x 67
WS890-52	Nitrite, high	0.00 to 150.0 (0.1)	585	180 x 83 x 46
WS890-57	Phosphate, low	0.00 to 2.50 (0.01)	610	180 x 83 x 46
WS890-62	Phosphate, high	0.00 to 30.0 (0.1)	470	180 x 83 x 46
WS890-72	Zinc	0.00 to 3.00 (0.01)	585	180 x 83 x 46

T H E E N D

January 2011

CAT. NO.	PRICE £	Per	CODE
CA407-25	8.85	pack	RO
CA407-30	9.30	pack	RO
LA302-12	8.25	roll	FA
LA302-17	8.25	roll	FA
LA302-22	8.25	roll	FA
LA302-27	8.25	roll	FA
LA302-32	8.25	roll	FA
LA302-37	8.25	roll	FA
MG165-10	700.00	each	OS
MW745-34	110.00	pack	FA
PR870-58	35.00	pack	FA
PR870-64	32.00	pack	FA
PR870-67	35.00	pack	FA
PR870-76	102.00	pack	FA
PR874-58	102.00	pack	FA
PR874-64	91.00	pack	FA
PR874-67	96.00	pack	FA
PR874-76	102.00	pack	FA
PR874-90	36.00	pack	FA
PR874-95	45.00	pack	FA
PX118-05	170.00	each	OO
PX118-15	170.00	each	OO
PX118-20	174.00	each	OO
PX118-60	21.00	each	OO
PX118-65	23.40	each	OO
PX118-70	13.10	each	OO
PX118-75	18.90	each	OO
PX120-10	41.90	each	OO
PX127-13	83.20	each	OO
PX127-20	83.40	each	OO
PX127-23	86.00	each	OO
SD056-25	190.00	each	OO
SD056-30	260.00	each	OO
SD056-34	370.00	each	OO
SD056-40	125.00	each	OO
SD056-45	165.00	each	OO
SD056-50	257.00	each	OO
SH220-10	18.50	each	OO
SH220-20	25.90	each	OO

PRICES FOR NEW ITEMS

SH220-25	28.00	each	OO
SH220-35	31.50	each	OO
SH220-50	41.70	each	OO
TE730-45	43.00	pack	FA
TE738-45	43.00	pack	FA
WS890-12	200.00	each	FB
WS890-17	299.00	each	FB
WS890-22	195.00	each	FB
WS890-27	315.00	each	FB
WS890-32	299.00	each	FB
WS890-37	299.00	each	FB
WS890-42	175.00	each	FB
WS890-47	299.00	each	FB
WS890-52	230.00	each	FB
WS890-57	179.00	each	FB
WS890-62	290.00	each	FB
WS890-72	185.00	each	FB

T H E E N D