

A J COPE & SON LTD
The Oval
London E2 9DU
Telephone: +44 (0) 20 7729 2405
Facsimile: +44 (0) 20 7729 2657

Internet: www.ajcope.co.uk

ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS
ISSUE 3 — March 2011
Page 1 of 7 pages

<i>Amendment</i>																																								
<p>CANCELLATION</p> <p>PJ865-44 Cancelled, offer PJ865-55</p> <p>NEW ITEM</p> <p><u>Bench Meter HI2213</u></p> <ul style="list-style-type: none"> ▲ pH, temperature (°C) and mV ranges ▲ Simultaneous display of pH/mV and temperature ▲ Automatic 1, 2 or 3 point calibration with buffer recognition of up to 5 pH values ▲ Calibration reminder function ▲ Manual or automatic temperature compensation <table border="0"> <tr> <td>Model</td> <td></td> <td>HI2213</td> </tr> <tr> <td>Range</td> <td>pH</td> <td>-2 to 16 (0.01)</td> </tr> <tr> <td>(resolution)</td> <td>mV</td> <td>-699.9 to 2000 (0.1)</td> </tr> <tr> <td></td> <td>°C</td> <td>-20.0 to 120.0 (0.1)</td> </tr> <tr> <td>Accuracy</td> <td>pH</td> <td>±0.01</td> </tr> <tr> <td></td> <td>mV</td> <td>±0.2 (-699.9 to 699.9 mV)</td> </tr> <tr> <td></td> <td></td> <td>±1 (rest of range)</td> </tr> <tr> <td></td> <td>°C</td> <td>±0.2</td> </tr> <tr> <td>Calibration</td> <td></td> <td>Automatic 1, 2 or 3 point, pH4.01, 6.86, 7.01, 9.18, 10.01 buffers recognised</td> </tr> <tr> <td>Temp. compensation</td> <td>°C</td> <td>Automatic or manual, -20.0 to 120.0</td> </tr> <tr> <td>Input impedance</td> <td>Ω</td> <td>10¹²</td> </tr> <tr> <td>Power</td> <td></td> <td>12V d.c. mains adapter</td> </tr> <tr> <td>Overall L x W x D</td> <td>mm</td> <td>235 x 222 x 109</td> </tr> </table> <p><u>Bench Meter, HI-2213</u></p> <p>Generally as previous PJ865-44, but with wider and improved pH, mV and temperature ranges and accuracies, and now with 1, 2 or 3 point calibration.</p> <p>PJ865-55 HI-2213</p> <p>Spares and accessories</p> <p>PJ862-08 Glass bodied electrode</p> <p>PJ862-22 Temperature probe</p> <hr style="border-top: 1px dashed black;"/> <p>CANCELLATION</p> <p>PP280-63 Cancelled, offer PP240-53</p>		Model		HI2213	Range	pH	-2 to 16 (0.01)	(resolution)	mV	-699.9 to 2000 (0.1)		°C	-20.0 to 120.0 (0.1)	Accuracy	pH	±0.01		mV	±0.2 (-699.9 to 699.9 mV)			±1 (rest of range)		°C	±0.2	Calibration		Automatic 1, 2 or 3 point, pH4.01, 6.86, 7.01, 9.18, 10.01 buffers recognised	Temp. compensation	°C	Automatic or manual, -20.0 to 120.0	Input impedance	Ω	10¹²	Power		12V d.c. mains adapter	Overall L x W x D	mm	235 x 222 x 109
Model		HI2213																																						
Range	pH	-2 to 16 (0.01)																																						
(resolution)	mV	-699.9 to 2000 (0.1)																																						
	°C	-20.0 to 120.0 (0.1)																																						
Accuracy	pH	±0.01																																						
	mV	±0.2 (-699.9 to 699.9 mV)																																						
		±1 (rest of range)																																						
	°C	±0.2																																						
Calibration		Automatic 1, 2 or 3 point, pH4.01, 6.86, 7.01, 9.18, 10.01 buffers recognised																																						
Temp. compensation	°C	Automatic or manual, -20.0 to 120.0																																						
Input impedance	Ω	10¹²																																						
Power		12V d.c. mains adapter																																						
Overall L x W x D	mm	235 x 222 x 109																																						

CANCELLATION

PR060-80 Cancelled, offer PR060-85

NEW ITEMS

Repeating Pipettor, HandyStep® S

Generally as previous PR060-80, but with a dispensed volume range from 2µl to 50000µl and nine separate volume settings.

- ▲ Ergonomic design gives comfortable handling.
- ▲ Nine separate volume settings
- ▲ Piston lock ensures only complete step volumes are dispensed
- ▲ Greatly reduced risk of pipettor contamination, or sample carry-over
- ▲ Factory calibrated
- ▲ Maintenance free

HandyStep® S Control Unit

As described. Supplied with wall support and instructions. Requires, but is not supplied with, PD-Tips for operation.

PR060-85 HandyStep® S Repeating Pipettor

Control Unit setting	Max. no. of steps	Dispensing volume per step, µl									
		0.1ml PD-tip	0.5ml PD-tip	1ml PD-tip	1.25ml PD-tip	2.5ml PD-tip	5ml PD-tip	10ml PD-tip	12.5ml PD-tip	25ml PD-tip	50ml PD-tip
1	49	2	10	20	25	50	100	200	200	500	1000
1.5	32	3	15	30	37.5	75	150	300	375	750	1500
2	24	4	20	40	50	100	200	400	500	1000	2000
2.5	19	5	25	50	62.5	125	250	500	625	1250	2500
3	15	6	30	60	75	150	300	600	750	1500	3000
3.5	13	7	35	70	87.5	175	350	700	875	1750	3500
4	11	8	40	80	100	200	400	800	1000	2000	4000
4.5	10	9	45	90	112.5	225	450	900	1125	2250	4500
5	9	10	50	100	125	250	500	1000	1250	2500	5000
Accuracy (A) %		±1.6	±0.8	±0.8	±0.8	±0.7	±0.5	±0.4	±0.3	±0.3	±0.3
Variance (V) %		≤5.0 to ≤2.0	≤1.4 to ≤0.6	≤1.0 to ≤0.4	≤0.8 to ≤0.3	≤0.8 to ≤0.2	≤0.6 to ≤0.2	≤0.3 to ≤0.2	≤0.4 to ≤0.2	≤0.4 to ≤0.2	≤0.4 to ≤0.15

PD-Tips, non sterile

As described. Supplied loose in packs as indicated. The 25ml and 50ml sizes require, and are supplied with, an autoclavable adapter.

	Size ml	Pack qty.
PR064-08	0.1	100
PR064-10	0.5	100
PR064-12	1	100
PR064-14	1.25	100
PR064-18	2.5	100
PR064-22	5	100
PR064-24	10	100
PR064-26	12.5	100
PR064-30	25	50
PR064-34	50	25

PD-Tips, sterile

As described. Endotoxin free and beta irradiated in accordance with ISO 8655. The sterility meets USP XXIII requirements. Individually wrapped within outer packs as indicated. The 25ml and 50ml sizes require, and are supplied with, an autoclavable adaptor.

	Size ml	Pack qty.
PR067-08	0.1	100
PR067-10	0.5	100
PR067-12	1	100
PR067-14	1.25	100
PR067-18	2.5	100
PR067-22	5	100
PR067-24	10	100
PR067-26	12.5	100
PR067-30	25	50
PR067-34	50	25

AMENDMENT

SA300-60 Cancelled, offer SA300-62

NEW ITEM

SA300-62 Hoods, TYVEK, white, one-size, pack of 20

CANCELLATIONS

SB896-10 Cancelled, offer SB896-15

SB896-20 Cancelled, offer SB896-25

SB896-30 Cancelled, offer SB896-35

SB897-30 Cancelled, offer SB897-35

SB897-40 Cancelled, offer SB897-45

SB897-50 Cancelled, offer SB897-55

SB898-40 Cancelled, offer SB898-45

SB898-50 Cancelled, offer SB898-55

NEW ITEMS

Stainless Steel Safety Cans

For carrying, dispensing and storage of corrosive, flammable or contamination-sensitive liquids.

- ▲ TÜV/GS* approved
- ▲ Grade 1.4571 stainless steel construction with powder-coated, ergonomic, aluminium handle
- ▲ Leakproof closure with Teflon gasket
- ▲ Spring-operated pressure/vacuum relief valve
- ▲ Perforated stainless steel flame arrester in spout resists flashback ignition
- ▲ Base formed in one-piece
- ▲ Neoprene bumper guard
- ▲ Leakproof closure with Teflon gasket
- ▲ Fitted with carry handle

Safety Cans

Stainless steel construction with choice of self-closing, leakproof dispenser cap and nozzle which can be removed to allow filling or 32mm (1¹/₄") screw cap.

	Capacity litres	Overall Ref dia. x H, mm
Self-closing, dispenser cap		
SB896-15	1	111 x 235
SB896-25	2	131 x 295
SB896-35	5	165 x 400
Screw cap		
SB896-40	1	111 x 235
SB896-50	2	131 x 295
SB896-60	5	165 x 400

Safety Canisters

Stainless steel construction with leakproof 37mm (1¹/₂") screw closure, stainless steel flame arrester, carrying handle and neoprene bumper guard.

	Capacity litres	Overall Ref W x D x H, mm
SB897-35	5	130 x 280 x 310
SB897-45	10	130 x 280 x 380
SB897-55	20	175 x 345 x 470

Dispensing Canisters

Generally as SB897 series but with self-closing, leakproof tap and separate vent to allow dispensing from a shelf or an accessory dispensing station.

	Capacity litres	Overall W x D x H, mm
SB898-45	10	130 x 280 x 380
SB898-55	20	175 x 345 x 470

Stainless Steel Filling Funnels

For use with SB896 to SB898 canisters and cans, unless indicated.

SB898-60	Straight, plug-fit
SB898-62	Angled, plug-fit
SB898-64	Angled, with screw connection and overflow protection for SB895/SB898-series only

Accessory Dispensing Station

For use with up to two SB898 series dispensing cans. Free standing or wall mounting steel frame with removable stainless steel drip tray. Overall dimensions 555 x 405 x 600mm (W x D x H). Without cans.

SB898-95	Dispensing station
----------	--------------------

CANCELLATION

SC360-58 Cancelled, offer SC360-53

CANCELLATION

SD057-29 Cancelled, no replacement

AMENDMENTS

SM805-10 to -18 series is now grey, not white as stated in the catalogue.

All other details are unchanged.

CANCELLATIONS

SV340-15 Cancelled, offer SV340-20

SV358-10 Cancelled, no replacement

SV358-15 Cancelled, no replacement

REINSTATEMENT

Spare PTFE keys for Pyrex stopcocks

	Bore mm	Type
SV358-20	4	T-bore

CANCELLATIONS

TJ847-50 Cancelled, offer TJ847-60

TJ847-55 Cancelled, offer TJ847-65

TJ847-70 Cancelled, offer TJ847-80

NEW ITEMS

Dataloggers, 175, 176

Long term, reliable temperature loggers with robust ABS casing providing either IP65 or IP68 protection, push button start, SD card or USB data connection and flexible data handling options.

Model 175 T1 Single channel, with internal NTC sensor and LCD readout

Model 175 T2 Two channel, with internal NTC sensor, external NTC probe socket for use with accessory probes and twin-line LCD readout

Model 176 T1 Single channel, expanded memory version, with internal sensor but without display

▲ Internal interfaces for both USB or SD card data collection

▲ Measuring time cycle adjustable from 10 seconds to 24 hours (175 series) or 1 second to 24 hours (model 176)

Model		175 T1	175 T2	176 T1
Ranges	internal sensor °C	-35 to +55	-35 to +55	-35 to +70
	external sensor °C	—	40 to +120	—
Resolution	°C	0.1 — both models		0.01
Memory	readings	1 million - both models		2 million
Overall, W x D x H	mm	53 x 27 x 89	53 x 27 x 89	63 x 33 x 103
Weight	g	150	150	260
Battery life (average)	years	>3	>3	>8

As described. Supplied with both USB and SD card data collection interfaces, wall holder, batteries and instructions. Requires, but is not supplied with, either an accessory USB cable or SD card for data transfer.

TJ847-60 Testo 175 T1
TJ847-65 Testo 175 T2
TJ847-80 Testo 176 T1

Accessories

Accessory probes for TJ847-65

With 1.5m lead. Dimensions are probe length x diameter.

TJ802-14 Immersion, 110 x 4mm
TJ802-17 Air, 110 x 4mm
TJ812-20 Laboratory, glass sheathed, 200 x 6mm

TJ847-87 USB cable for connecting 175 and 176 dataloggers to the user's PC.

Comsoft 4 professional software

With data handling, database, graphical and trend analysis functions.

TJ847-98 Comsoft 4

T H E E N D

March 2011

CAT. NO.	PRICE £	Per	CODE
PJ865-55	458.00	each	FB
PR060-85	190.00	each	OG
PR064-08	66.50	pack	AO
PR064-12	60.00	pack	AO
PR064-24	60.00	pack	AO
PR067-08	132.00	pack	AO
PR067-12	118.00	pack	AO
PR067-24	118.00	pack	AO
SA300-62	39.80	pack	EO
SB896-15	167.00	each	EO
SB896-25	180.00	each	EO
SB896-35	194.00	each	EO
SB896-40	129.00	each	EO
SB896-50	148.00	each	EO
SB896-60	170.00	each	EO
SB897-35	199.00	each	EO
SB897-45	235.00	each	EO
SB897-55	280.00	each	EO
SB898-45	290.00	each	EO
SB898-55	320.00	each	EO
SB898-60	52.00	each	EO
SB898-62	58.00	each	EO
SB898-64	103.00	each	EO
SV358-20	14.00	each 7.00 each per 5	OH
TJ847-60	110.00	each	RO
TJ847-65	135.00	each	RO
TJ847-80	299.00	each	RO
TJ847-87	20.90	each	RO
TJ847-98	272.00	each	RO
<i>T H E E N D</i>			