

ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS
ISSUE 7 — July 2012
Page 1 of 12 pages

	<i>Amendment</i>
	<p>NEW ITEM</p> <p><u>Bag Ties</u> Generally as BA095-10 but supplied in packs of 1000.</p> <p>BA095-15 Bag ties, pk.1000</p>
<hr/>	
	<p>CANCELLATIONS</p> <p>BD225-10 Cancelled, special order only BD225-20 Cancelled, special order only BD230-20 Cancelled, special order only</p> <p>NEW ITEMS</p> <p><u>Analytical Electronic Balances, HR-A/HR-AZ Series</u></p> <p><u>A&D</u></p> <ul style="list-style-type: none"><input type="checkbox"/> Choice of autocalibration (HR-AZ) or external calibration using accessory weights (HR-A) models<input type="checkbox"/> Weighing unit modes: g, mg, oz, ozt, ct, mo, dwt, gn, tl, tla, with %, counting, density and custom unit modes<input type="checkbox"/> GLP-, GMP-, GCP- and ISO-compliant output<input type="checkbox"/> Plastic draught shield with rotary sliding doors complies with FDA/HACCP “glass-free requirements” and unclips for easy cleaning and balance use in confined spaces<input type="checkbox"/> Selectable weighing filters<input type="checkbox"/> High contrast, reverse-backlit LCD readout

Model	ext. cal.	HR-100A	HR-150A	HR-250A
	int. cal.	HR-100AZ	HR-150AZ	HR-250AZ
Capacity	g	102	152	252
Readability	g	0.0001	0.0001	0.0001
Reproducibility	±g	0.0001	0.0001	0.0001 (0 to 200g), 0.0002 (rest of range)
Linearity	±g	0.0002	0.0002	0.0003
Pan size	mm	90 dia.	90 dia.	90 dia.
Operating temperature	°C	+5 to +40 at 85% RH or less — all models		
Overall	W, mm	198	198	198
	D, mm	294	294	294
	H, mm	315	315	315
Weight,	HR-A, kg	3.5	3.5	3.5
	HR-AZ, kg	3.9	3.9	3.9

As described. Supplied with an a.c. adapter for 230V 50/60Hz single phase supplies, instruction manual and RS232C interface.

External calibration models (require weight)

BD225-40 HR-100A
BD225-45 HR-150A
BD225-50 HR-250A

Autocalibration models (internal weight)

BD225-60 HR-100AZ
BD225-65 HR-150AZ
BD225-70 HR-250AZ

BD230-25 USB adapter
BD230-35 LAN ethernet adapter
BD900-55 Calibration weight, F1, 50g
BD900-58 Calibration weight, F1, 100g
BD900-62 Calibration weight, F1, 200g

REINSTATEMENT

Bottles, Glass, Winchester pattern

BR120-50 Bottles, Winchester pattern, clear glass, narrow mouth, without cap, 500ml capacity, R6/31 neck, pk.24

REINSTATEMENT

Bottles, Glass, Uncapped

BR150-17 Bottles, medical dispensing, amber glass, 50ml capacity, R3/22 neck, pk.80

CANCELLATION

BR154-35 Cancelled, offer BR154-40

REINSTATEMENT

Bottles, Powder

**BR160-33 Bottles, powder, clear glass, wide mouth, without cap,
4oz capacity, R3/38 neck, pk.80**

CANCELLATION

BR404-35 Cancelled, offer BR404-33

REINSTATEMENTS

Bottles, Powder

**BR400-33 Bottles, powder, clear glass, wide mouth with black plastic cap and
PVDC liner, 4oz capacity, R3/38 neck, pk.80**

**BR404-33 Bottles, powder, clear glass, wide mouth with white polypropylene
wadless cap, 4oz capacity, R3/38 neck, pk.80**

NEW ITEM

Cleaner, Lipsol

**A totally rinsable, phosphate- and enzyme-free, biodegradable surfactant with
excellent cleaning performance on laboratory glassware, plasticware, rubber, ceramics
and stainless steel. Mildly alkaline and therefore unsuitable for cleaning non-ferrous
metals such as aluminium, zinc, or with polycarbonate plastics. Supplied in 5L plastic
container.**

CL645-17 5 litres

CANCELLATION

FC372-34 Cancelled, offer FC378-35

CANCELLATIONS

LA470-50 Cancelled, offer LA477-45
 LA470-55 Cancelled, no replacement
 LA470-58 Cancelled, no replacement
 LA470-62 Cancelled, no replacement
 LA473-03 Cancelled, no replacement
 LA473-07 Cancelled, no replacement
 LA473-11 Cancelled, no replacement
 LA473-15 Cancelled, no replacement
 LA473-23 Cancelled, no replacement
 LA473-27 Cancelled, no replacement

NEW ITEMS

Label printer, BMP™51

Portable, thermal transfer label printer for labelling samples in accordance with GLP (Good laboratory Practice) protocols. Maximum label width printable 38.1mm. Print functions include text, bar-coding, serialisation, banner printing and multiple material configuration. Uses accessory drop-in cartridges containing a continuous reel of labels or tape up to 7.6m long. With dot matrix LCD, alphanumeric keyboard, label cartridge recognition system, USB connection/output port and type cutter. Overall 365 x 460 x 150mm. Weight 5.2kg. Supplied with hard carrying case, rechargeable Li-on battery, USB cable, control software, instructions, tape cartridge with black on white tape reel of 38.1mm width and a.c. adapter/charger requiring a 230V 50Hz single phase supplies.

LA477-45 BMP™51

Accessory tapes

Supplied in drop-in cartridges containing reels of labels as indicated. All print black text on white background.

	Label size, mm	Material range	Temp. °C	For labelling	Labels per cartridge
LA478-04	9.53 dia.	Polyester	-196 to +121*	0.5 to 1.5ml microtubes	240
LA478-08	25.4 x 9.53/ 9.53 dia.	Nylon	-196 to +121	1.0 to 2.0ml microtubes	240
LA478-12	12.7 dia.	Nylon	-196 to +121	1.5 to 2.0ml microtubes	240
LA478-16	38.1 x 98.42	Polyester	-196 to +121	50ml tubes	80
LA478-20	25.4 x 48.26	Polyester	-196 to +121	12 to 24ml tubes	100
LA478-24	25.4 x 48.26	Polyester	-196 to +121*	50ml tubes	100
LA478-28	38.1 x 31.75	Polyester	-196 to +121*	12 to 24ml tubes	160
LA478-32	6.35 x 48.26	Polyester	-80 to +121	Microplates	160
LA478-36	19.08 x 12.70	Vinyl	-80 to ambient	Tissue cassettes	220
LA478-40	22.86 x 22.86	Polyester	-80 to +121	Microscope slides	280

*Not recommended for use in boiling baths over medium to long periods.

CANCELLATIONS

MW605-40 Cancelled, offer MW605-50
MW605-45 Cancelled, offer MW605-55
MW606-15 Cancelled, offer MW606-25
MW606-20 Cancelled, offer MW606-30
MW606-40 Cancelled, offer MW606-50
MW606-45 Cancelled, offer MW606-55
MW607-26 Cancelled, no replacement
MW607-29 Cancelled, no replacement
MW607-50 Cancelled, no replacement

NEW ITEMS

Personal Thermal Cyclers ³Prime Series Techn

Self-contained, personal thermal cyclers with numerous applications in molecular biology and diagnostics laboratories. A choice of models is offered with fitted blocks either for 0.2ml or 0.5ml microtubes in strips or plates. A full colour touchscreen provides control and display of programme status, with templates allowing easy programming of even complex procedures. Up to 1000 x 3-segment programmes can be stored with incremental/decremental timing and temperature elements. Programme naming and password protection are also available. A heated lid is provided with temperature adjustment (100 to 115°C) and heat on/off switch. The heated lid for ³PrimeX and ³PrimeG models also adjusts to accommodate a variety of consumables. Additionally, ³PrimeG models are convenient, small-scale, gradient thermocyclers which will also hold half a 96-well plate in an 8 column x 6 row configuration. Annealing temperatures can be optimised over a 1 to 14°C gradient between 30°C and 80°C. All ³Prime models include a USB output to transfer programmes and temperature logs between instruments or the user's computer. For 100 to 230V 50/60Hz single phase supplies.

Model		³ Prime	³ PrimeX	³ PrimeG
Temp. range, block	°C	+4 to +100 — all models		
gradient	°C	—	—	+30 to +80
Block uniformity (at 55°C)	°C	<±0.3 — all models		
Temperature accuracy (at 55°C)	°C	<±0.25 — all models		
Min./Max. gradient	°C	—	—	1/14
Max. No. of programmes [†] (3-segment)		1000 built-in — all models		
Run end time calculation		Yes — all models		
Selectable heated lid temp. [#]	°C	100 to 115 — all models		
End of programme alarm		Yes — all models		
Manual pause and stop facility		Yes — all models		
Incremental/decremental temp. control		Yes — all models		
Programme ramp rate, °C per second		up to 3.0 — all models		
Peltier elements per block		4 — all models		
Data/network interface		USB — all models		
Dimensions D x W x H	mm	350 x 210 x 180 — all models		
Weight, net	kg	6 — all models		

[†]The maximum number of programmes available depends on the number of segments required per programme.

[#]Heated lid will only come on if block temperature is set above 35°C.

Personal Thermal Cyclers, 3Prime, Techne

MW605-50 ³Prime with 24 x 0.2ml microtube block

MW605-55 ³Prime with 18 x 0.5ml microtube block

MW606-25 ³PrimeX with 48 x 0.2ml microtube block

MW606-30 ³PrimeX with 30 x 0.5ml microtube block

MW606-50 ³PrimeG with 48 x 0.2ml microtube block

MW606-55 ³PrimeG with 30 x 0.5ml microtube block

Accessory

³Prime Gradient Upgrade

Allows ³PrimeX models only to be upgraded to support gradient operation.

MW606-95 ³Prime gradient upgrade

Note: alternative replacement interchangeable blocks can be fitted by returning the instrument to ourselves for factory service.

CANCELLATIONS

MW630-27 Cancelled, offer MW630-45
 MW630-33 Cancelled, offer MW630-40
 MW633-05 Cancelled, no replacement
 MW633-08 Cancelled, no replacement
 MW633-16 Cancelled, no replacement
 MW633-20 Cancelled, no replacement
 MW635-26 Cancelled, offer MW635-45
 MW635-44 Cancelled, offer MW635-35
 MW637-05 Cancelled, no replacement
 MW637-08 Cancelled, no replacement
 MW637-16 Cancelled, no replacement
 MW637-20 Cancelled, no replacement

NEW ITEMS

Programmable Thermal Cyclers Prime Series
Techne

High performance, thermal cyclers designed for laboratories requiring a large sample throughput. A fully interchangeable block system allows exchange without needing tools and offers enhanced versatility. A large, 5.7" VGA colour touchscreen with intuitive software programming and graphical display ensures user-friendly control and operation. Up to 1000 x 3-segment programmes can be stored with incremental/decremental timing and temperature elements. 8 Peltier modules per block provide rapid heating and cooling over the range +4°C to +100°C, with block uniformity $\lt; \pm 0.3^\circ\text{C}$ at 55°C. A heated lid is provided with adjustable sealing pressure to accommodate a variety of consumables and a USB port allows networking with other cyclers or data transfer to the user's computer. Additionally, the PrimeG model allows gradient cycling with annealing temperatures optimisable over a 1 to 29°C range (1 to 19°C when using the 384-well block) and between 30°C and 80°C. For 100 to 230V 50/60Hz single phase supplies.

Model		Prime	PrimeG
Temp. range, block	°C	+4 to +100 — both models	
gradient	°C	—	+30 to +80
Block uniformity (at 55°C)	°C	$\lt; \pm 0.3$ — both models	
Temperature accuracy (at 55°C)	°C	$\lt; \pm 0.25$ — both models	
Min./Max. gradient	°C	—	1/29 (19 - 384 well plate block)
Max. No. of programmes [†] (3-segment)		1000 built-in — both models	
Selectable heated lid temp. [#]	°C	100 to 115 — both models	
Programme ramp rate, °C per second		up to 3.4 — both models	
Peltier elements per block		8 — both models	
Data/network interface		USB — both models	
Dimensions D x W x H	mm	420 x 240 x 240 — both models	
Weight, net	kg	9.4 — both models	

[†]The maximum number of programmes available depends on the number of segments required per programme.

[#]Heated lid will only come on if block temperature is set above 35°C.

Programmable Thermal Cyclers, Techne

Prime, non-gradient

MW630-40 Prime for 96 x 0.2ml microtubes

MW630-45 Prime for 60 x 0.5ml microtubes

MW630-50 Prime for 384-well microplates

PrimeG, gradient

MW635-35 PrimeG for 96 x 0.2ml microtubes

MW635-45 PrimeG for 60 x 0.5ml microtubes

MW635-50 PrimeG for 384-well microplates

Spares and accessories

MW637-40 Accessory block for 96 x 0.2ml microtubes

MW637-45 Accessory block for 60 x 0.5ml microtubes

MW637-50 Accessory block for 384-well microplates

MW637-60 Prime gradient upgrade. Converts Prime cyclers to Prime gradient models

CANCELLATION

PD100-65 Cancelled, no replacement

NEW ITEMS

Splash head adapters, rotary evaporator

For use with rotary evaporators to prevent “bumping” or foaming solvents from climbing to the condenser. Available with, or without, sintered glass (porosity 1) filter.

	Cone size	
	Flask	Condenser
<u>Without filter</u>		
QSH15/19	19/26	29/32
QSH15/24	24/29	29/32
QSH15/29	29/32	29/32
<u>With filter</u>		
QSH16/19	19/26	29/32
QSH16/24	24/29	29/32
QSH16/29	29/32	29/32

NEW ITEMS

Pharmacy Refrigerators

Liebherr

For vaccine and medicine storage in pharmaceutical dispensaries, surgeries and other clinical areas. Internal temperature +5°C ±3K.

- Audible and visual low/high temperature and door opening alarms
- Digital display with min/max memory
- Safety thermostat to ensure temperature does not fall below 2°C
- Volt-free and RS485 serial interface
- Power failure alarm indicator
- Access port for independent temperature probe
- Seamless plastic inner liner for easy cleaning
- Lockable solid or glass door models available
- R600a refrigerant and environmentally friendly insulation used

As described. With solid or glass door, door lock and adjustable close-mesh wire shelves as indicated. For 220-240V 50Hz single phase supplies.

	Model	Gross cap. litres	H x W x D, mm	Shelves supplied	Internal light
<u>Solid door models</u>					
RG285-10	MkUv1610	141	820 x 600 x 615	3	No
RG285-30	MkUv3910	360	1840 x 600 x 615	5	No
<u>Glass door models</u>					
RG285-60	MkUv1612	141	820 x 600 x 615	3	Yes
RG285-80	MkUv3912	360	1840 x 600 x 615	5	Yes

CANCELLATIONS

SW536-22 Cancelled, offer SW536-21
SW536-40 Cancelled, offer SW536-39

NEW ITEMS

Steristoppers

Generally as previous SW536-series but with reduced pack sizes.

	To fit tube i.d. mm	Pack qty.
SW536-21	10	1000
SW536-39	15	500

CANCELLATION

SX240-35 Cancelled, offer SX240-45

NEW ITEM

Carry-Lite Case

Robust, polypropylene case with clear polycarbonate, hinged cover. The floor of the case and lid are gridded to hold 15, removable, full depth inserts in place. The case is equipped with strong, sliding catches and hinged, carrying handle. Overall 413 x 330 x 79mm high.

SX240-45 Carry-Lite case

NEW ITEMS

Culture Flasks, Pyrex, 1134 Series

Generally as TP585-series conical flasks but with baffles to increase agitation during shaking of culture media.

	Ref.	Capacity, ml
TP585-05	1134/08	250
TP585-10	1134/10	500
TP585-15	1134/12	1000
TP585-20	1134/14	2000

Fernbach Flask, Pyrex

Generally as TP585-series but Fernbach shape with baffles.

	Ref.	Capacity, ml
TP585-80	1138/10	2800

T H E E N D

PRICES FOR NEW ITEMS

Page 11 of 12 Pages

July 2012

CAT. NO.	PRICE £	Per	CODE
BA095-15	18.95	pack	AO
BD225-40	765.00	each	RW
BD225-45	825.00	each	RW
BD225-50	980.00	each	RW
BD225-60	930.00	each	RW
BD225-65	975.00	each	RW
BD225-70	1140.00	each	RW
BD230-25	83.00	each	RW
BD230-35	438.00	each	RW
BR120-50	24.60	pack	RO
BR150-17	20.90	pack	RO
BR160-33	22.00	pack	RO
BR400-33	33.15	pack	RO
BR404-33	29.75	pack	RO
CL645-17	30.90	each	AZ
	25.74	each per 2	
LA477-45	459.00	each	FO
LA478-04	62.30	pack	FO
LA478-08	32.90	pack	FO
LA478-12	32.15	pack	FO
LA478-16	45.40	pack	FO
LA478-20	70.30	pack	FO
LA478-24	26.15	pack	FO
LA478-28	41.25	pack	FO
LA478-32	28.95	pack	FO
LA478-36	26.55	pack	FO
LA478-40	49.20	pack	FO
MW605-50	2195.00	each	ED
MW605-55	2195.00	each	ED
MW606-25	2795.00	each	ED
MW606-30	2795.00	each	ED
MW606-50	3195.00	each	ED
MW606-55	3195.00	each	ED
MW606-95	400.00	each	ED
MW630-40	3795.00	each	ED
MW630-45	3795.00	each	ED
MW630-50	3795.00	each	ED
MW635-35	4395.00	each	ED
MW635-45	4395.00	each	ED
MW635-50	4395.00	each	ED

PRICES FOR NEW ITEMS

Page 12 of 12 Pages

MW637-40	2125.00	each	ED
MW637-45	2250.00	each	ED
MW637-50	2250.00	each	ED
MW637-60	600.00	each	ED
QSH15/19	61.80	each	CC
QSH15/24	63.86	each	CC
QSH15/29	65.92	each	CC
QSH16/19	67.98	each	CC
QSH16/24	70.04	each	CC
QSH16/29	70.00	each	CC
RG285-10	1195.00	each	MO
RG285-30	1565.00	each	MO
RG285-60	1285.00	each	MO
RG285-80	1725.00	each	MO
SW536-21	39.73	pack	AO
SW536-39	23.00	pack	AO
SX240-45	66.60	each	RO
TP585-05	21.22	each	CA
	10.61	each per 5	
TP585-10	25.46	each	CA
	12.73	each per 5	
TP585-15	47.75	each	CA
	31.83	each per 2	
TP585-20	42.44	each	CA
TP585-80	200.85	each	CA
	133.90	each per 2	
<i>T H E E N D</i>			