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ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS
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	<i>Amendment</i>
	<p>CANCELLATIONS</p> <p>AT160-14 Cancelled, offer AT160-13 AT160-19 Cancelled, offer AT150-40</p> <p>NEW ITEM</p> <p><u>Autoanalyser Sample Cups</u> Polystyrene. 0.5ml conical (compatible with Gemsac analysers). Supplied in packs of 1500.</p> <p>AT160-13 0.5ml, conical, pack of 1500</p> <p>AMENDMENT</p> <p>AT160-15 is compatible with Technicon analysers. All other details are unchanged.</p>
	<p>AMENDMENT</p> <p>AU127-29 is now supplied in a pack of 100 strips.</p> <p>All other details are unchanged.</p>
	<p>CANCELLATIONS</p> <p>BB605-12 Cancelled, offer BB610-12 BB605-22 Cancelled, offer BB610-12 BB605-32 Cancelled, offer BB610-22 BB605-42 Cancelled, offer BB610-22 BB605-57 Cancelled, offer BB610-12 BB605-67 Cancelled, offer BB610-12 BB605-77 Cancelled, offer BB610-22 BB605-87 Cancelled, offer BB610-22</p>

NEW ITEMS

Explorer Pro Series Analytical Balances

- Brilliant, backlit, high resolution, VGA, touchscreen display programming
- Multiple application modes and user application settings library
- Application modes:
 - Parts counting - Dynamic weighing
 - Check Weighing - Percentage weighing
 - Filling - Gross-net-tare
 - Pipette adjustment - Density determination
 - Totalisation - Formulation
 - Differential weighing - Peak hold
 - Ingredient costing - Under/over filling
- Internal autocalibration, with temperature and time-sensitive initialisation
- 11 language display text options: including, English, Spanish, French, German and Italian
- GLP and GMP compliant outputs through USB or RS232 ports
- Touchless operation sensor
- Detachable display/control module for remote use (cable included)
- 3-door draught shield with removable panels and internal light (0.0001 and 0.001g readability models only)

Model		EX124	EX224	EX324
Capacity	g	120	220	320
Readability	mg	0.1	0.1	0.1
Weighing modes		g, mg, oz, ozt, ct, dwt, taels, mo, gn, ti, N, custom — all models		
Pan size	mm	90mm diameter — all models		
Height above pan	mm	220mm — all models		
Dimensions, W x D x H	mm	230 x 393 x 350 — all models		

Explorer Pro Analytical Balances

As described. With high resolution, back-lit, dot matrix display with protective in-use cover, 500mm extension cable for detachable module, RS232 and USB interfaces, below balance weigh facility and a.c. adaptor for 100-240V 50/60Hz single phase supplies.

- BB610-12 Model EX124
- BB610-22 Model EX224
- BB610-32 Model EX324

Accessories

Impact printer, CBM-910

With paper rolls, ribbon and mains adaptor for 230V 50/60Hz single phase supplies. Requires printer cable kit adaptor for connection to balances with RS232 output only.

- BB528-10 Printer CBM-910
- BD166-48 Paper rolls for BB528-10, pack of 5
- BB528-24 Ink ribbon cassette for BB528-10, pack of 1
- BB605-95 Printer cable kit 1 for connecting BB610/BB626 balances to BB528-10 printer

CANCELLATIONS

- BB609-15 Cancelled, offer BB610-12
- BB609-25 Cancelled, offer BB610-12
- BB609-35 Cancelled, offer BB610-22
- BB609-45 Cancelled, offer BB610-22

CANCELLATIONS

BB622-12	Cancelled, offer BB625-12	BB628-12	Cancelled, offer BB625-12
BB622-17	Cancelled, offer BB625-17	BB628-17	Cancelled, offer BB625-17
BB622-22	Cancelled, offer BB625-17	BB628-22	Cancelled, offer BB625-17
BB622-27	Cancelled, offer BB625-27	BB628-27	Cancelled, offer BB625-27
BB622-29	Cancelled, offer BB625-27	BB628-29	Cancelled, offer BB625-27
BB622-42	Cancelled, offer BB625-42	BB628-42	Cancelled, offer BB625-42
BB622-57	Cancelled, offer BB625-42	BB628-57	Cancelled, offer BB625-42
BB622-65	Cancelled, offer BB625-65	BB628-65	Cancelled, offer BB625-65
BB622-77	Cancelled, offer BB626-27	BB628-77	Cancelled, offer BB626-27

NEW ITEMS

Explorer Pro Series Top Loading Balances

- Brilliant, backlit, high resolution, VGA, touchscreen display programming
- Multiple application modes and user application settings library
- Application modes:
 - Parts counting
 - Check Weighing
 - Filling
 - Pipette adjustment
 - Totalisation
 - Differential weighing
 - Ingredient costing
 - Dynamic weighing
 - Percentage weighing
 - Gross-net-tare
 - Density determination
 - Formulation
 - Peak hold
 - Under/over filling
- Internal autocalibration, with temperature and time-sensitive initialisation
- 11 language display text options: including, English, Spanish, French, German and Italian
- GLP and GMP compliant outputs through USB or RS232 ports
- Touchless operation sensor
- Detachable display/control module for remote use (cable included)
- 3-door draught shield with removable panels and internal light (0.0001 and 0.001g readability models only)

Model		EX223	EX423	EX623	EX1103
Capacity	g	220	420	620	1100
Readability	g	0.001	0.001	0.001	0.001
Weighing modes		g, mg, kg, lb., oz, ozt, ct, dwt, tals, mo, gn, ti, N, custom — all models			
Pan size	mm	130 dia.	130 dia.	130 dia.	130 dia.
Dimensions, W x D x H	mm	230 x 393 x 350 — all models			230 x 393 x 98
		EX4202	EX6202	EX10201	
Capacity	g	4200	6200	10200	
Readability	g	0.01	0.01	0.1	
Weighing modes		g, mg, kg, lb., oz, ozt, ct, dwt, tals, mo, gn, ti, N, custom — all models			
Pan size	mm	190 x 200 – all models			
Dimensions, W x D x H	mm	230 x 393 x 98 – all models			

Explorer Pro Top Loading Balances

As described. With high resolution, back-lit dot matrix display with protective in-use cover, 500mm extension cable for detachable module, RS232 and USB interfaces, below balance weigh facility and a.c. adapter for 100-240V 50/60Hz single phase supplies.

BB625-12	Model EX223	BB625-65	Model EX6202
BB625-17	Model EX423	BB626-27	Model EX10201
BB625-27	Model EX623		
BB625-29	Model EX1103		
BB625-42	Model EX4202		

Accessories

Impact printer, CBM-910

With paper rolls, ribbon and mains adaptor for 230V 50/60Hz single phase supplies. Requires printer cable kit adaptor for connection to balances with RS232 output only.

BB528-10	Printer CBM-910
BD166-48	Paper rolls for BB528-10, pack of 5
BB528-24	Ink ribbon cassette for BB528-10, pack of 1
BB605-95	Printer cable kit 1 for connecting BB610/BB626 balances to BB528-10 printer

CANCELLATIONS

BB638-50	Cancelled, offer BB625-12	BB638-80	Cancelled, offer BB625-65
BB638-54	Cancelled, offer BB625-17	BB638-85	Cancelled, offer BB626-27
BB638-60	Cancelled, offer BB625-17		
BB638-65	Cancelled, offer BB625-27		
BB638-70	Cancelled, offer BB625-42		
BB638-75	Cancelled, offer BB625-42		

CANCELLATIONS

BN290-40	Cancelled, no replacement
BN290-50	Cancelled, no replacement
BN290-60	Cancelled, no replacement
BN290-65	Cancelled, no replacement

NEW ITEMS

Bottles, Azlon HDPE, UN certified

Wide mouth, with leakproof, tamper-evident screw cap with airtight inner seal. 80mm diameter x height as indicated. Supplied singly.

	Ref.	Cap.	ht.
	AMP-	ml	mm
BR754-44	2250	250	70
BR754-52	2500	500	103
BR754-82	21000	1000	166
BR754-92	22000	2000	227

NEW ITEMS

Jerrycans, Azlon, rigid polyethylene, UN certified

Robust, stackable, food grade polyethylene jerrycans with tamper-evident screw cap. Aspirator stopcocks to fit BR937 jerrycans - see SV942.

	Ref.	Capacity	Cap
		litres	type
BR937-30	AMP105	5	DIN51
BR937-40	AMP110	10	DIN51
BR937-50	AMP120	20	DIN61
BR937-55	AMP125	25	DIN61

	<p>CANCELLATION</p> <p>BW510-14 Cancelled, offer BW510-22</p>						
=====							
	<p>AMENDMENT</p> <p>CD140-10 is not supplied with swing-out rotor, and the rotor must be purchased instead as a separate accessory.</p> <p>All other details are unchanged.</p>						
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	<p>CANCELLATIONS</p> <p>CF327-10 Cancelled, offer CF327-21 CF327-12 Cancelled, offer CF327-21 CF327-16 Cancelled, offer CF327-21 CF327-18 Cancelled, offer CF327-23</p>						
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	<p>CANCELLATIONS</p> <p>CF365-10 Cancelled, offer CF365-18 CF365-15 Cancelled, offer CF365-26</p>						
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	<p>CANCELLATIONS</p> <p>CW310-10 Cancelled, offer CW308-08 CW310-15 Cancelled, offer CW308-12 CW310-20 Cancelled, offer CW308-20 CW310-25 Cancelled, offer CW308-24 CW310-30 Cancelled, offer CW309-30</p> <p>CW500-20 Cancelled, offer CW500-10 CW500-40 Cancelled, offer CW500-10 CW500-50 Cancelled, offer CW500-10 CW500-70 Cancelled, offer CW500-10</p> <p>NEW ITEMS</p> <p><u>Cork Ring, compressed</u> For supporting round bottom flasks. 45mm deep. Supplied singly.</p> <table style="margin-left: 100px; border: none;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">o.d. x i.d. mm</th> <th style="text-align: center;">For flasks ml</th> </tr> </thead> <tbody> <tr> <td>CW309-30</td> <td style="text-align: center;">240 x 200</td> <td style="text-align: center;">4000 to 10000</td> </tr> </tbody> </table>		o.d. x i.d. mm	For flasks ml	CW309-30	240 x 200	4000 to 10000
	o.d. x i.d. mm	For flasks ml					
CW309-30	240 x 200	4000 to 10000					

CANCELLATIONS

CY142-14 Cancelled, offer CY140-14
CY142-18 Cancelled, offer CY140-18
CY142-22 Cancelled, offer CY140-22
CY142-26 Cancelled, offer CY140-26
CY142-30 Cancelled, offer CY140-30

CANCELLATIONS

CY262-18 Cancelled, offer CY260-18
CY262-22 Cancelled, offer CY260-22
CY262-26 Cancelled, offer CY260-26
CY262-30 Cancelled, offer CY260-30

CANCELLATION

DS360-25 Cancelled, offer DS360-20

NEW ITEM

Razor Blades, double edge

Generally as previous DS360-25 but now supplied in a pack of 100.

DS360-20 Double edge

CANCELLATION

FC315-13 Cancelled, offer FC338-10

NEW ITEMS

Cellulose Nitrate Membrane Circles, Sartorius

For sample analysis, particle testing and removal. White with black grid, 0.45µm pore size, 47mm diameter, sterile. Supplied in a pack of 100.

FC542-21 0.45µm, 47mm dia. sterile

Biosart 100 Filtration Units

For microbiological analysis. Disposable polystyrene 100ml funnel with lid and membrane holder with fitted cellulose pad and 47mm diameter, black gridded, white cellulose nitrate membrane filter, with porosity as indicated. In use, the unit is placed onto an accessory vacuum manifold and once a filtration is completed the funnel is removed allowing the membrane holder and funnel lid to be used as a petri dish (the outlet is plugged with a polyurethane bung supplied). Supplied individually packed and sterile within an outer pack of 48.

FC740-10 0.2µm pore size

FC740-15 0.45µm pore size

FC740-85 Accessory filtration manifold, 3 position, stainless steel
(requires vacuum source)

CANCELLATIONS

FC808-13 Cancelled, no replacement

FC808-17 Cancelled, no replacement

NEW ITEMS

Syringe Filters, Minisart NML, Sterile

Generally as FC800-series but with surfactant-free CA membrane improving flow rate and minimising sample hold-up. With luer lock inlet and luer slip outlet. Supplied in packs of 50.

FC800-55 0.2µm pore size

Syringe Filters, Minisart PES, Non-Sterile

Generally as FC800-series but with polyethersulphone membrane and non-sterile. Supplied in a bulk pack of 500.

FC800-60 0.2µm pore size

Syringe Filters, Minisart PES, Sterile

Generally as FC800-60 but supplied sterile in a pack of 50.

FC800-65 0.45µm pore size

Syringe Filters, Minisart NY25

With 25mm diameter, nylon membrane sealed into a polypropylene housing. With female luer lock fitting in the inlet and luer slip on the outlet. Filter area 4.8cm². High burst pressure (6 bar). Supplied in packs of 50.

FC884-45 0.45µm pore size, sterile

FC884-47 0.45µm pore size, with glass-fibre prefilter, non-sterile

NEW ITEMS

Vivaspin 500 Starter Pack

Comprising 5 each of each size, 5K, 10K, 30K, 50K, 100K MWCO.

FC860-95 Vivaspin 500 Starter Pack

Vivaspin 2

Generally as FC869-series. Pack of 25.

FC869-72 PES membrane, 300K MWCO

Vivaspin 4

Generally as FC869 but with 1 to 4ml capacity. Maximum 10000xg rcf (angle rotor only), hold-up volume <10µl, dead-stop volume 20µl and membrane area 2.0cm². With polypropylene filtrate container and polycarbonate insert. Overall 122 x 17mm L x diameter. Pack of 25.

FC876-10 PES membrane, 10K MWCO

FC876-95 Vivaspin 4 starter pack
(comprises 5 each of sizes 5k, 10k, 30k, 50k, 100k)

Vivaspin 15

Generally as FC876 but with 2 to 15µl capacity, maximum 3000xg rcf, hold-volume <20µl, dead-stop volume 50µl and membrane area 4.0cm². With polypropylene filtrate container and polycarbonate insert. Overall 76 x 25.5mm L x dia. Supplied in packs as indicated.

FC890-05 PES membrane, 5K MWCO, pk.40
FC890-32 Hydrosart* membrane, 30K MWCO,
pk.12

*Modified regenerated cellulose membrane offering high recovery and low absorption for desalting and concentration of Ig fractions.

CANCELLATIONS

FS500-50 Cancelled, offer FS505-30 + FS507-08
FS500-80 Cancelled, offer FS505-40 + FS507-08

FS504-08 Cancelled, no replacement
FS504-10 Cancelled, no replacement
FS504-20 Cancelled, no replacement
FS504-25 Cancelled, no replacement

NEW ITEMS

Mobile Extraction System, Cleantec Mini 100

Portable, modular fume extraction system with choice of extraction arm and inlet hood or nozzle, single button operation.

- | | |
|--|--|
| <input type="checkbox"/> Easy assembly | <input type="checkbox"/> Quiet running fan |
| <input type="checkbox"/> Range of accessory HI4 grade,
HEPA, carbon or combination filters. | <input type="checkbox"/> Built-in EU5 grade pre-filter |

Specifications

Filter unit	360 x 295 x 285mm H x W x D
Extraction arm	600 x 50mm – jointed
(reach x diameter)	1000 x 32mm - flexible
Extraction	36 to 65 m ³ /hr*
Weight	11 kg

*For optimal filter performance, depending on filter fitted

Filter Unit Cleantec Mini 100

As described. With high-impact, acrylic-capped, ABS cabinet and pre-filter. For 230V 50Hz single phase supply, 54W. Requires extraction arm, main filter(s) and nozzle or hood for operation.

FZ430-60 Cleantec Mini 100 filter unit

Extraction Arms and Nozzles

With bench clamp(s), connection hose, hose clips and nozzles as indicated.

Jointed extraction arm, 600 x 50mm

FZ432-11 Clear plastic hood
FZ432-12 Metal hood
FZ432-13 Pen nib nozzle

Flexible extraction arm, 1000 x 32mm
 FZ432-17 Clear plastic hood
 FZ432-18 Pen nib nozzle

2 x Flexible extraction arms, 1000 x 32mm
 FZ432-21 2 x Clear hoods
 FZ432-22 2 x Pen nib nozzle

Filter Cartridges

Contaminant	Vapour filter	Vapour/dusts combi filter
Dusts/powders only	FZ432-30	FZ432-30
Organics and solvents	FZ432-32	FZ432-42
Acid	FZ432-34	FZ432-44
Multipurpose*	FZ432-36	FZ432-46
Formaldehyde	FZ432-38	FZ432-48
Ammonia	FZ432-40	FZ432-50

*For removal of solvent and acid fumes

Accessories and spares

FZ432-70 Manual flow control damper
 FZ432-75 Steel trolley with castors for FZ430-60,
 height adjustable
 FZ432-80 Spare EU5 grade pre-filter, pack of 5

NEW ITEMS

McCrone Mill

An effective means of reducing samples to sub-micron sizes suitable for x-ray diffraction/fluorescence, infra-red spectroscopy and atomic absorption analysis. The unique grinding action (contact blows and planar shearing) ensures a short grinding time with virtually no sample loss and exceptionally even particle distribution. A choice of grinding elements (agate or corundum) allow wet and dry grinding of many materials, including carbides, nitrides, borides, cement, clay, shale and mica. In use, a 125ml polypropylene grinding jar is filled with an array of 48 cylindrical grinding elements and accepts up to 4ml of sample (2ml is optimal). A timed grinding period can be set between 3 and 30 minutes, depending on the sample, achieving an ultimate fineness of 4 to 5µm, based on the required initial particle size of 0.5mm. There is minimal particle damage to surfaces and internal structure of the grinding chamber. An accessory sample preparation kit reduces sample material to the required 0.5mm size.

Mill Packages

Type	Description
A	Mill, 1x set agate elements, 2x sets corundum elements, 3x grinding jars, loading device and pouring cap
B	Mill, 2x sets corundum elements, 2x grinding jars, loading device and pouring cap
D	Mill, 2x sets agate elements, 2x grinding jars, loading device and pouring cap

As described. Overall 480 x 175 x 160mm L x W x H. Weight 9kg. For 220-240V 50Hz single phase supplies. Supplied complete with packages as indicated.

MR075-10 Mill with package A
MR075-20 Mill with package B
MR075-30 Mill with package D

Accessories and spares

Spare preparation kit

For preparation of samples to the required 0.5mm particle size. With stainless steel percussion mortar, 10 corundum cylinders, 0.5mm mesh sieve and sieve brush.

MR077-05 Sample preparation kit

Spare agate grinding set

With 50x agate grinding elements, grinding jar and lid.

MR077-25 Agate grinding set

Spare corundum grinding set

With 48x corundum grinding elements, grinding jar and lid.

MR077-35 Corundum grinding set

NEW ITEMS

Pipettes, Glass, Two-mark to ISO648 & DIN12690

Two-Mark Pipettes, MBL

Soda-lime glass. Amber stain graduations and inscriptions.

	Ref.	Cap. ml
<u>Class AS</u>		
PM115-10	PRA620AS	1
PM115-13	PRA622AS	2
PM115-22	PRA624AS	5
PM115-25	PRA626AS	10
PM115-35	PRA630AS	20
PM115-40	PRA632AS	25
PM115-45	PRA634AS	50
PM115-50	PRA636AS	100

CANCELLATIONS

PR690-10	Cancelled, offer PR690-12	PR693-90	Cancelled, offer PR693-92
PR690-25	Cancelled, offer PR690-27	PR696-15	Cancelled, offer PR696-17
PR690-30	Cancelled, offer PR690-32	PR696-30	Cancelled, offer PR696-32
PR690-60	Cancelled, offer PR690-62	PR696-45	Cancelled, offer PR696-47
PR690-85	Cancelled, offer PR690-87	PR696-50	Cancelled, offer PR696-52
PR690-90	Cancelled, offer PR690-92	PR696-65	Cancelled, offer PR696-67
		PR696-80	Cancelled, offer PR696-82
PR693-10	Cancelled, offer PR693-12		
PR693-25	Cancelled, offer PR693-27		
PR693-30	Cancelled, offer PR693-32		
PR693-60	Cancelled, offer PR693-62		
PR693-85	Cancelled, offer PR693-87		

NEW ITEMS

Acura Electro 926XS, 936, 956-series Single and Multi-Channel Pipettors

Lightweight, ergonomic, electronic pipettors with microprocessor control and motor driven to provide fatigue free, high performance pipetting.

- A choice of variable volume models up to 10,000µl and multichannel models up to 350µl
- Six programming functions:
 - Pipetting
 - Step-by-step pipetting
 - Mixing
 - Reverse pipetting
 - Dilution
 - Tactile titration and gel loading
- Reversible display for left or right handed use
- Three position pipetting speed selection
- Autoclavable and interchangeable pipette tip manifolds
- Adjustable tip ejector length accomodates various tip positions
- Easy user calibration mode

Acura 926XS and 936 single channel pipettors

As described. Supplied as a basic starter pack including pipettor, Q.C./calibration certificate, charging stand, a.c. adapter/charger and additional rechargeable battery, pipette tips, and instructions.

	Range µl	Divisions µl	Accuracy % (at µl)	
<u>Acura 926XS-series</u>				
PR690-05	0.1 to 2.0	0.01	<± 2.5 (0.1)	<± 0.9 (2.0)
PR690-12	0.5 to 10	0.05	<± 1.2 (0.5)	<± 0.6 (10)
PR690-16	1.0 to 20	0.1	<± 1.2 (1.0)	<± 0.5 (20)
PR690-27	2.5 to 50	0.25	<± 1.0 (2.5)	<± 0.5 (50)
PR690-29	5 to 100	0.50	<± 1.0 (5.0)	<± 0.5 (100)
PR690-32	10 to 200	1.00	<± 1.0 (10)	<± 0.4 (200)
PR690-62	50 to 1000	5.00	<± 0.8 (50)	<± 0.4 (1000)
<u>Acura 936-series</u>				
PR690-83	100 to 2000	0.01	<± 1.5 (100)	<± 0.5 (2000)
PR690-87	250 to 5000	0.05	<± 1.2 (250)	<± 0.5 (5000)
PR690-92	500 to 10,000	0.05	<± 1.0 (500)	<± 0.5 (10,000)

Accessories

Pipettors only. With Q.C./calibration certificate, spare battery and instructions.

PR693-05	0.1 to 2µl
PR693-12	0.5 to 10µl
PR693-16	1 to 20µl
PR693-27	2.5 to 50µl
PR693-29	5 to 100µl
PR693-32	10 to 200µl
PR693-62	50 to 1000µl
PR693-83	100 to 2000µl
PR693-87	250 to 5000µl
PR693-92	500 to 10,000µl

Acura 956-series Multichannel Pipettors

As described. Supplied as a basic starter pack including pipettor, Q.C./calibration certificate, charging stand, a.c. adapter/charger and additional rechargeable battery, pipette tips, and instructions.

	Range µl	Divisions µl	Accuracy % (at µl)
<u>Acura 956-series, 8-channel</u>			
PR696-17	0.5 to 10	0.05	<± 3.5 (0.5) <± 1.0 (10)
PR696-32	2.5 to 50	0.25	<± 1.0 (2.5) <± 0.8 (50)
PR696-47	10 to 200	1.0	<± 0.9 (10) <± 0.6 (200)
PR696-49	20 to 350	5.0	<± 1.0 (20) <± 0.6 (350)

Acura 956-series, 12-channel

PR696-52	0.5 to 10	0.05	<± 3.5 (0.5) <± 1.0 (10)
PR696-67	2.5 to 50	0.25	<± 1.0 (2.5) <± 0.8 (50)
PR696-82	10 to 200	1.0	<± 0.9 (10) <± 0.6 (200)
PR696-90	20 to 350	5.0	<± 1.0 (20) <± 0.6 (350)

Spares and accessories

PR694-15	Charging stand, 3-position (requires charger/a.c. adapter)
PR694-40	Charger/a.c. adapter 100-240V, with UK plug
PR694-45	Charger/a.c. adapter 100-240V, with European plug

Tips, polypropylene. Supplied in packs as indicated.

	Max. cap.	Colour	Pack qty.
PR580-09	10µl	Natural	1000
PR580-17	200µl	Yellow	500
PR580-22	1000µl	Blue	250
PR587-40	5000µl	Natural	250
PR587-55	10,000µl	Natural	100

CANCELLATIONS

QD41/25	Cancelled, no replacement
QD41/50	Cancelled, offer FU234-15
QD42/100	Cancelled, offer FU234-20
QD42/250	Cancelled, offer FU234-25
QD42/500	Cancelled, offer FU234-30
QD31/1/50	Cancelled, offer QD1/11GP
QD31/1/100	Cancelled, offer QD1/21GP
QD31/2/100	Cancelled, offer QD1/22GP
QD31/2/250	Cancelled, offer QD1/32GP
QD31/2/500	Cancelled, offer QD1/42GP
QD31/2/1L	Cancelled, offer QD1/62GP

CANCELLATIONS

QDEC500/32	Cancelled, no replacement
QDEC500/33	Cancelled, no replacement

	<p>CANCELLATIONS</p> <p>Q23BU/M Cancelled, no replacement Q27X/M Cancelled, no replacement</p>			
	<p>CANCELLATIONS</p> <p>Q17BU Cancelled, no replacement</p>			
	<p>CANCELLATIONS</p> <p>Q1GS Cancelled, no replacement Q42BU Cancelled, no replacement</p> <p>Q46BU Cancelled, no replacement Q46X Cancelled, no replacement</p>			
	<p>CANCELLATION</p> <p>RG224-60 Cancelled, offer RG224-10</p> <p>NEW ITEMS</p> <p><u>Laboratory Refrigerators and Freezers</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Temperature range +3 to +8°c <input type="checkbox"/> Digital temperature control with temperature (over/under) and door-open alarms <input type="checkbox"/> Alarm log of duration and date of last 3 events <input type="checkbox"/> Forced air circulation provides excellent temperature stability (except freezer GG5210.740) <input type="checkbox"/> Volt-free and RS485 interfaces for remote alarms/monitoring (except freezer GG5210.740) <input type="checkbox"/> R600a refrigerant <input type="checkbox"/> Self-closing, solid or glass door models available 			
		LKUv 1610 / LKUv 1612	LKUv 3910 / LKUv 3912	
Range	°C	+3 to +8	+3 to +8	
Capacity	litres	141	360	
External	H, mm	820	1840	
	W, mm	600	600	
	D, mm	615	615	
Weight	kg	40	68	
Shelves supplied		3	5	
Doors		1x solid / 1x glass	1x solid / 1x glass	
Energy consumption in 24 hours	kWh	0.7	0.8	
Model		GG5210.74		
Range	°C	-14 to -26	Energy consumption	kWh
Capacity	litres	513	in 24 hours	1.3
External	H, mm	1864		
	W, mm	750		
	D, mm	750		
Weight	kg	118		
Shelves supplied		—*		
Doors		1x solid		
*fitted with 14 plastic bin drawers				

As described. For 220-240V 50Hz single phase supplies. Note: these models are not spark-free.

RG222-05 LKUv 1610, +3 to +8°C, solid door
 RG222-08 LKUv 1612, +3 to +8°C, glass door
 RG222-14 LKUv 3910, +3 to +8°C, solid door
 RG222-17 LKUv 3912, +3 to +8°C, glass door
 RG222-33 GG5210.740, -14 to -26°C, solid door

CANCELLATIONS

SJ364-18 Cancelled, no replacement

WS889-20 Cancelled, offer SJ360-20

NEW ITEMS

Spectrophotometers

Model 6320D

- Microprocessor controlled, menu driven operation
- High resolution, graphics liquid crystal display
- Dual display mode gives continuous readout of selected wavelength and results
- Sealed optical system is protected from degradation by harsh environments
- Dome shaped lid to accommodate test tubes with a height of up to 105mm.

Model		6320D
Wavelength range	nm	320 to 1000
Bandwidth	nm	8
Wavelength accuracy	nm	±2
Photometric accuracy	%	±1
Straylight	%T	<0.5
Operating modes		0 to 199.9% T (transmission) -0.300 to 1.999 Abs (absorption units) -300 to 1999 C (concentration) 0 to 999.9, 1000 to 9999 Factor
Scanning increment (selectable)	nm	—
Photometric noise levels	%	<1
Photometric stability		1% per hour after 15 min. warm up
Outputs		Analogue 0 to 1999mV, RS232 serial port
Light source		Tungsten-halogen
Display		Custom liquid crystal
Dimensions H x W x D	mm	160 x 365 x 272
Weight	kg	6

Spectrophotometer 6320D, Jenway

As described. Supplied with single 10mm cell holder, 100 x 10mm disposable cuvettes and instructions. For 230V 50Hz single phase supplies.

SJ360-20 6320D Visible

Spares

SJ364-05 Tungsten-halogen lamp for SJ360-10 and SJ360-20
 SJ364-09 Cell holder for 10mm cells
 CS780-14 Square cuvettes, optical glass, 10mm path length
 CS780-32 Rectangular cuvettes, optical glass, 50mm path length
 CT102-05 Cuvettes, 10mm, pack of 100

Accessories

SJ364-30	Cell holder for 13mm diameter test tubes
SJ364-32	Cell holder for 16mm diameter test tubes
SJ364-34	Cell holder for 25mm diameter test tubes
SJ364-36	Cell holder for 10mm square cuvettes and 16 and 24mm diameter vials, for use with Aquanova reagent kits
WS885-40	Screw cap vials, 16mm diameter, pack of 20
WS885-44	Screw cap vials, 24mm diameter, pack of 20

Impact printer, 40 column, with connecting cable, rechargeable batteries and charger. A 220-240V 50Hz single phase supply is required for the charger.

CU656-20	Impact printer
CU656-22	Paper roll for CU656-20

For reagent test kits - see WS888-series

NEW ITEMS

Aspirator Stopcocks, Azlon

Polyethylene, with airflow valve to allow easy venting of jerrycans when dispensing. To fit DIN necks and outlets as indicated.

	Ref.	Inlet Thread
SV942-10	AMP151	DIN51
SV942-40	AMP161	DIN61

NEW ITEMS

Culture Flasks, Pyrex 1135 Series

Erlenmeyer (conical). Suitable for culture preparation. With 38m o.d. rimless tube neck for use with TP587 closures, approximate graduations and large marking area.

	Ref.	Capacity ml
TP585-30	1135/14D	250
TP585-35	1135/20D	500
TP585-40	1135/26D	1000
TP585-45	1135/30D	2000

Closures for 1135-series flasks. 38mm i.d. Suitable for autoclaving.

TP587-12	Aluminium
TP587-15	2-position polypropylene

CANCELLATIONS

VC810-05	Cancelled, offer VC825-20
VC812-14	Cancelled, no replacement
VC812-20	Cancelled, no replacement

NEW ITEMS

Viscosity

Viscosity Baths, TCB-7

For the determination of kinematic viscosity using capillary viscometers under ASTM D445; IP71; ISO3104; ISO3105; ASTM D1298. Accommodates up to seven standard viscometer tubes using accessory holders. Digital temperature control and setting to 0.01°C readability with readout and separate thermometer holder. A built-in cooling coil allows cooling to near and sub ambient temperatures using mains water or an accessory chiller circulator. Corrosion-resistant, stainless steel tank with toughened glass windows in the front and rear panels for ease of viewing (an alternative model with backlighting is available).

Capacity		40 litres
Range	°C	Ambient to +150
Stability (typical)	°C	± 0.01
Overall W x D x H	mm	405 x 380 x 420
Weight, empty	kg	36
Supply requirement		230V 50/60Hz single phase

Viscometer Baths, TCB-7

As described. With top plate, covers for unused holes in top plate and instruction manual. For 230V 50/60Hz single phase supplies.

VC825-20	TCB-7
VC825-30	TCB-7 with backlighting

Accessories

VC827-05	Universal viscometer holder
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Bath Filling Oil

Clear silicone oil formulated for long-term use at the operating temperatures as indicated. Supplied in containers of 5 litres.

VC827-10	25°C to 100°C
VC827-14	100°C to 150°C
VC827-40	Viscometer bench stand

Refrigerated circulators - see CL120/CL125

CANCELLATIONS

WB200-42	Cancelled, offer WB200-45
WB210-44	Cancelled, offer WB210-50

Cub and Cub Extra washing machines are no longer supplied with basket trays and spray arms.

NEW ITEMS

Glassware Washer, Cub

Generally as previous WB200-42 but supplied empty without basket trays and spray arms that are required for operation. For 230V 50Hz single phase supplies.

WB200-45 Washer

Glassware Washer/Dryer, Cub

Generally as previous WB210-44 but supplied empty without basket trays and spray arms that are required for operation. For 230V 50Hz single phase supplies.

WB210-50 Washer/Dryer

Standard Basket Trays

With spray arms. Universal basket trays suitable for washing wide mouth vessels, beakers, petri dishes, evaporating basins etc. and for test tubes held vertically in accessory baskets. One each upper and lower level baskets are recommended for use in WB200/WB210

WB218-10 Upper level tray

WB218-20 Lower level tray

Accessory Jet Racks

	For machine	Hollow For spigots levels
WB220-30	WB200	40 each both
WB220-35	WB210	40 each both

Baskets, Stainless steel mesh, wedge shape

For test tubes. For use on lower basket tray.

WB224-20 105mm high

WB224-26 165mm high

WB224-32 200mm high

Petri Dish Rack

Plastic coated stainless steel. For use on lower level only. For 31 dishes, 100mm diameter.

WB230-20 Petri dish rack

Beaker/Bottle Support

Supports up to 28 items. Two supports can be used on each of the upper and lower basket trays.

WB232-10 Beaker/Bottle support

CANCELLATION

WB724-15 Cancelled, offer WB724-25

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PRICES FOR NEW ITEMS

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CAT. NO.	PRICE £	Per	CODE
AT160-13	24.85	pack	EO
BB610-12	2080.00	each	AB
BB610-22	2370.00	each	AB
BB610-32	2740.00	each	AB
BB625-12	1750.00	each	AB
BB625-17	1940.00	each	AB
BB625-27	2200.00	each	AB
BB625-29	2840.00	each	AB
BB625-42	1950.00	each	AB
BB625-65	2320.00	each	AB
BB626-27	1820.00	each	AB
BR754-44	3.38	each	AZ
BR754-52	3.75	each	AZ
BR754-82	4.33	each	AZ
BR754-92	7.16	each	AZ
BR937-30	9.20	each	AZ
BR937-40	12.44	each	AZ
BR937-50	23.53	each	AZ
BR937-55	24.29	each	AZ
CW309-30	11.39	each	AA
DS360-20	12.40	pack	AO
FC542-21	83.70	pack	EO
FC740-10	160.20	pack	EO
FC740-15	160.20	pack	EO
FC740-85	872.10	pack	EO
FC800-55	87.30	pack	EO
FC800-60	540.00	pack	EO
FC800-65	90.90	pack	EO
FC860-95	68.40	pack	EO
FC869-72	107.10	pack	EO
FC876-10	363.60	pack	EO
FC876-95	109.80	pack	EO
FC884-45	75.60	pack	EO
FC884-47	126.00	pack	EO
FC890-05	309.60	pack	EO
FC890-32	99.90	pack	EO
FZ430-60	758.00	each	FO
FZ432-11	555.00	each	FO
FZ432-12	499.00	each	FO
FZ432-13	452.00	each	FO

FZ432-17	459.00	each	FO
FZ432-18	350.00	each	FO
FZ432-21	915.00	each	FO
FZ432-22	700.00	each	FO
FZ432-30	105.00	each	FO
FZ432-32	139.00	each	FO
FZ432-34	139.00	each	FO
FZ432-36	139.00	each	FO
FZ432-38	139.00	each	FO
FZ432-40	139.00	each	FO
FZ432-42	198.00	each	FO
FZ432-44	198.00	each	FO
FZ432-46	198.00	each	FO
FZ432-48	198.00	each	FO
FZ432-50	198.00	each	FO
FZ432-70	163.00	each	FO
FZ432-75	255.00	each	FO
FZ432-80	77.50	each	FO
MR075-10	4095.00	each	BO
MR075-20	3525.00	each	BO
MR075-30	4555.00	each	BO
MR077-05	380.00	each	BO
MR077-25	810.00	each	BO
MR077-35	165.00	each	BO
PM115-10	5.99	each	CG
	4.50	each per 2	
PM115-13	6.32	each	CG
	4.75	each per 2	
PM115-22	6.98	each	CG
	5.25	each per 2	
PM115-25	7.98	each	CG
	6.00	each per 2	
PM115-35	9.98	each	CG
	7.50	each per 2	
PM115-40	10.64	each	CG
	8.00	each per 2	
PM115-45	11.97	each	CG
	9.00	each per 2	
PM115-50	17.29	each	CG
	13.00	each per 2	
PR690-05	490.00	each	RQ
PR690-12	490.00	each	RQ
PR690-16	490.00	each	RQ

PR690-27	490.00	each	RQ
PR690-29	490.00	each	RQ
PR690-32	490.00	each	RQ
PR690-62	490.00	each	RQ
PR690-83	505.00	each	RQ
PR690-87	505.00	each	RQ
PR690-92	505.00	each	RQ
PR693-05	339.00	each	RQ
PR693-12	339.00	each	RQ
PR693-16	339.00	each	RQ
PR693-27	339.00	each	RQ
PR693-29	339.00	each	RQ
PR693-32	339.00	each	RQ
PR693-62	339.00	each	RQ
PR693-83	360.00	each	RQ
PR693-87	360.00	each	RQ
PR693-92	360.00	each	RQ
PR696-17	715.00	each	RQ
PR696-32	700.00	each	RQ
PR696-47	700.00	each	RQ
PR696-49	700.00	each	RQ
PR696-52	775.00	each	RQ
PR696-67	750.00	each	RQ
PR696-82	750.00	each	RQ
PR696-90	750.00	each	RQ
RG222-05	995.00	each	MO
RG222-08	1070.00	each	MO
RG222-14	1365.00	each	MO
RG222-17	1515.00	each	MO
RG222-33	1110.00	each	MO
SJ360-20	1500.00	each	KJ
SJ364-36	155.00	each	KJ
SV942-10	10.62	each	AZ
SV942-40	10.62	each	AZ
TP585-30	16.42	each	CA
	12.35	each per 10	
TP585-35	17.29	each	CA
	13.00	each per 5	
TP585-40	21.48	each	CA
	16.15	each per 2	
TP585-45	21.50	each	CA
TP587-12	8.75	each	CA
	7.00	each per 10	

TP587-15	2.65	each	CA
	2.10	each per 10	
VC825-20	3380.00	each	BO
VC825-30	3705.00	each	BO
VC827-05	161.00	each	BO
VC827-10	113.00	each	BO
VC827-14	118.00	each	BO
VC827-40	325.00	each	BO
WB200-45	5669.00	each	BO
WB210-50	7829.00	each	BO
WB218-10	364.00	each	BO
WB218-20	209.00	each	BO
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