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ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS
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	<i>Amendment</i>
	<p>NEW ITEM</p> <p><u>Security Caps, tamper-evident</u> For ROPP style 28mm neck bottles only. White polypropylene with EPE liner and red tamper ring collar which separates from the cap when first opened. Pack of 100.</p> <p>BR264-15 Tamper-evident, for PP 28 neck</p>
	<p>CANCELLATIONS</p> <p>BR927-10 Cancelled, offer BR927-15 BR927-20 Cancelled, offer BR927-25</p> <p>NEW ITEMS</p> <p><u>Drums, Kartell HDPE</u> Strong, lightweight drums suitable for holding foodstuffs, with central filling/vent cap and handle in blue.</p> <p>BR927-15 25 litre BR927-25 50 litre</p>
	<p>CANCELLATION</p> <p>BW144-22 Cancelled, replaced by BW144-12</p> <p>NEW ITEM</p> <p><u>Burette, Pyrex</u> With PTFE key stopcock. Borosilicate glass. Graduations in white enamel.</p> <p>BW144-12 Class B, PTFE Stopcock, 25 x 0.10ml</p>

CANCELLATIONS

HY620-15 Cancelled, offer HY620-25

TJ847-90 Cancelled, no replacement

TJ847-95 Cancelled, no replacement

TJ847-97 Cancelled, no replacement

TJ847-99 Cancelled, offer TJ847-98

NEW ITEM

Humidity/Temperature Datalogger 175 H1

Long term, reliable, 2-channel (humidity and temperature) logger with robust ABS housing, push button start and flexible data handling options. Features external humidity and temperature sensor which provides rapid response, adjustable measuring period from 10 seconds to 24 hours, alarm settings and digital display.

- ▲ Large, easily visible display
- ▲ Reliable, long working life
- ▲ Internal interfaces for both USB or SD card data collection
- ▲ Compact, robust housing

Model		175 H1
Ranges	%RH	0 to 100 (1.0)
(resolution)	°C	-20 to +55 (0.1)
Memory		1 million readings
Overall W x D x H	mm	53 x 27 x 149
Weight	g	150

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.

HY620-25 Testo 175 H1

Accessories

TJ847-87 USB cable for connecting 175 datalogger to the user's PC.

Comsoft 4 professional software

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

TJ847-98 Comsoft 4

CANCELLATIONS

IC477-30 Cancelled, offer IC477-35

IC477-40 Cancelled, offer IC480-20

IC477-50 Cancelled, offer IC480-40

IC477-72 Cancelled, no replacement

IC477-74 Cancelled, no replacement

IC477-78 Cancelled, no replacement

IC477-84 Cancelled, no replacement

IC477-85 Cancelled, no replacement

IC477-87 Cancelled, no replacement

IC480-20 Cancelled, no replacement

IC480-25 Cancelled, no replacement

IC480-30 Cancelled, no replacement

IC480-35 Cancelled, no replacement

IC480-40 Cancelled, no replacement

IC480-45 Cancelled, no replacement

IC480-50 Cancelled, no replacement

IC480-55 Cancelled, no replacement

IC484-20 Cancelled, offer IC485-08
IC484-25 Cancelled, offer IC485-14
IC484-30 Cancelled, no replacement
IC484-35 Cancelled, offer IC485-14

NEW ITEM

Ice Tray

Benchtop insulated tray designed to hold flaked ice, maintaining samples and reagents in optimal condition. Manufactured in chemically resistant, easy-to-clean white polystyrene. Internal dimensions 60 x 200 x 125mm H x W x D, overall dimensions 80 x 244 x 165mm H x W x D. Supplied singly.

IC477-35 Ice tray
RA626-25 Accessory insert rack to hold 32 x 1.5ml microtubes

CANCELLATION

LA486-17 Cancelled, offer LA488-25

REINSTATEMENTS

Ultra Turrax T10 basic Homogeniser

- ▲ Comprises drive module and choice of accessory dispersing heads
- ▲ Speed adjustable between 8000 and 30000rpm
- ▲ Capacity 0.5 to 100ml depending on dispersing head chosen
- ▲ Can be used as a hand-held unit or an accessory stand
- ▲ Particle reduction down to 1µm (emulsions), 10µm (suspensions)

Drive Module, Ultra Turrax T10 basic

As described. Supplied with stepless speed control, range 8000 to 30000rpm, R200 clamp for attaching T10 basic to accessory bosshead and stand, and storage case. For 230v 50/60hz single phase supplies. 125W. Overall 45 x 60 x 180mm W x D x H. Weight 0.4kg. Requires, but does not include, one or more accessory dispersing heads for operation.

MT435-66 Drive module T10 basic

Accessories

Interchangeable dispersing heads. Materials in contact with sample are stainless steel and PTFE. Autoclavable.

MT435-73 0.5 to 10ml range, o.d. 5mm, immersion
20 to 75mm, S10N-5G

MT435-79 1 to 50ml range, o.d. 8mm, immersion
20 to 95mm, S10N-8G

MT435-85 1 to 100ml range, o.d. 10mm, immersion
20 to 100mm, S10N-10G

Stand, with twin rod base and support rod, 242 x 355 x 370mm W x D x H, with 10mm diameter rod. Maximum loading 0.7kg.

MT435-89 Stand R104

MT435-94 Bosshead H44 for mounting R200 clamp to stand

Ultra Turrax T18 basic Homogeniser

- ▲ Comprises drive module and choice of accessory dispersing heads
- ▲ Speed adjustable between 3500 and 24000rpm
- ▲ Capacity 1 to 1500ml depending on dispersing head chosen
- ▲ Can be used as a hand-held unit or an accessory stand
- ▲ Particle reduction down to 1µm (emulsions), 10µm (suspensions)

Drive Module, Ultra Turrax T18 basic

As described. Supplied with stepless speed control, range 3500 to 24000rpm. For 230v 50/60hz single phase supplies. 300W. Overall 65 x 80 x 240mm W x D x H. Weight 1.6kg. Requires, but does not include, one or more accessory dispersing heads for operation.

MT440-30 Drive module T18 basic

Accessories

Interchangeable dispersing heads. Materials in contact with sample are stainless steel and PTFE. Autoclavable.

MT440-65 1 to 100ml range, o.d. 10mm, immersion
25 to 70mm

MT440-80 10 to 1500ml range, o.d. 19mm, immersion
35 to 170mm

Stand, with twin rod base and support rod, 242 x 355 x 370mm W x D x H, with 10mm diameter rod. Maximum loading 0.7kg.

MT468-22 Stand R1826

SR753-09 Bosshead r182 for mounting MT440-30 to stand

REINSTATEMENTS

Ultra Turrax T25 digital Homogeniser

For high speed shredding, homogenising and dispersing a wide range of free-flowing materials.

- ▲ Integral variable electronic speed control from 3500 to 24000rpm
- ▲ Article reduction down to 1µm
- ▲ Operating range up to 2 litres depending on dispersing head chosen
- ▲ Digital speed display
- ▲ Can be hand-held or mounted on an accessory stand
- ▲ Set rotor speed maintained irrespective of viscosity changes during dispersion

Drive Module, T25 digital

As described. With integral variable electronic speed control and digital display. Maximum speed 24000rpm. Overall 65 x 80 x 240mm W x D x H. Weight 1.6kg. For 230v 50/60hz single phase supplies. Requires one or more accessory dispersing shafts (MT465-) as selected, for operation.

MT450-17 Drive module T25 digital

Accessories for Drive Module T25 digital

Dispersing Shafts, Interchangeable

Materials in contact with product are stainless steel with PTFE. Autoclavable.

	Range*, ml	Shaft/ Stator dia. mm	Rotor dia. mm	Max. depth mm	Ultimate fitness µm (approx.)	
					dispersions	emulsions
MT465-10	1 to 50	8	6.1	85	10 to 50	1 to 10
MT465-20	1 to 100	10	7.5	85	10 to 50	1 to 10
MT465-30	10 to 1500	18	12.7	165	10 to 50	1 to 10
MT465-40	50 to 2000	25	17	165	15 to 50	1 to 10

Stand

Base plate 200 x 316mm and 16mm diameter stainless steel rod, 800mm high. Maximum loading capacity 5kg.

MT468-22 Stand R1286

SR753-09 Bosshead R182 for mounting MT450-17 on stand

MT468-33 Strap clamp RH3 for securing/stabilising sample vessels to stand

REINSTATEMENTS

Reciprocating Shakers

Reciprocating Shaker, IKA HS260 basic

Quiet running and very stable operation. Provides a reciprocal motion of 20mm amplitude. The shaking speed can be adjusted between 20 and 300 cycles/minute and a timer from 5 to 50 minutes using LED analogue display. A continuous run facility is also provided. Overall 420 x 360 x 100mm high. Overall height may vary depending upon the accessories fitted. Weight 8.5kg. Maximum loading 7.5kg. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories for operation.

SE420-15 Reciprocating Shaker HS260 basic

Reciprocating Shaker, IKA HS260 control

Generally as SE420-15 but with digital displays of speed from 0 to 300rpm and timer from 1 minute to 9 hours 59 minutes. Analogue and RS232 interfaces are also provided. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories for operation.

SE420-20 Reciprocating Shaker HS260 control

Accessories for SE420 models only

Universal attachment comprising basic holding device, 4 tension rollers and 8 clamping pieces to hold flasks, beakers etc. Overall 425 x 335 x 135mm high.

SE420-27 Universal attachment

Base attachment which accepts accessory clips to hold conical and volumetric flasks. Overall 330 x 330 x 24mm high.

SE420-29 Base attachment

Accessory Spring Clips for base SE420-29. The clips are supplied singly.

	For Flasks ml	Max. no. of units
SE420-40	25	28
SE420-42	50	22
SE420-44	100	16
SE420-46	200/250	8
SE420-48	500	8

Attachment for 6 x 50ml, 5 x 100ml 3 x 250ml or 3 x 500ml separating funnels. Overall 334 x 425 x 145mm high.

SE420-67 Separating funnel attachment

Attachment for petri dishes and culture flasks, surface 320 x 320mm.

SE420-72 Petri dish/flask attachment

Reciprocating Shaker IKA HS501

Generally as SE420-15 but with digital display of speed 0 to 300 cycles/minute and shaking amplitude 30mm. Weight 26kg. Overall dimensions 505 x 585 x 120mm high. Overall height may vary according to the accessories fitted. Maximum loading 15kg. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories for operation.

SE440-10 Reciprocating Shaker HS501

Accessories for SE440 only

Universal attachment comprising basic holding device, 6 tension rollers and 12 clamping pieces to hold flasks, beakers etc. Overall 480 x 500 x 120mm high.

SE440-30 Universal attachment

Base attachment which accepts accessory clips to hold conical and volumetric flasks. Overall 475 x 460 x 95mm high.

SE440-32 Base attachment

Accessory Spring Clips for base SE420-29. The clips are supplied singly.

	For Flasks ml	Max. no. of units
SE420-40	25	50
SE420-42	50	48
SE420-44	100	25
SE420-46	200/250	16
SE420-48	500	12

Attachment to hold 12 x 50ml, 10 x 100ml or 6 x 250ml separating funnels.

SE440-35 Attachment

Attachment to hold 4 x 500ml, 3 x 1000ml or 2 x 2000ml separating funnels.

SE440-37 Attachment

Attachment for petri dishes and culture flasks, 450 x 450mm (L x W).

SE440-50 Attachment

REINSTATEMENTS

Orbital Shakers

Orbital Shaker, IKA Lab Dancer

Fixed speed (2800rpm) personal orbital shaker with vortexing action for use with 0.5ml to 50ml test tubes and small bottles and flasks. 4.5mm orbit. Shaking commences when the flexible top cup is depressed and continues until the vessel is removed. Inert plastic upper casing and cup with stable, die-cast zinc base. 12V d.c. low voltage operation using the mains adaptor supplied. Overall 100 x 770mm D x H. Weight 0.6kg. A 100-240V 50/60Hz single phase supply is required for the adaptor.

SE620-50 Lab Dancer

Orbital Shaker, IKA Vibrax VXR basic

Opto-electrically controlled, orbital shaker with 4mm orbit. With stepless speed setting from 0 to 2200rpm. Screw camps secure accessory attachments to the shaker platform frame. Maximum loading 2kg subject to attachment used. Overall 157 x 247 x 130mm W x D x H. Weight 6.1kg. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessory attachments.

SE630-14 Vibrax VXR basic

Accessory attachments

	Ref.	Type
SE632-15	VX1	Single vessel up to 250ml held by hand
SE632-20	VX2	Test tubes 36 x 16mm vertical
SE632-25	VX2E	Eppendorf tubes. 64 capped
SE632-30	VX7	Petri dishes. Platform 200 x 400mm
SE632-32	VX8	Conical flasks, 2 x up to 500ml

Microplate Shaker, IKA MTS2/4

Specially designed for shaking two or four microtitre plates. Electronic feedback control maintains the set speed accurately, from 0 to 1100rpm. Orbiting movement 3mm. With digital 1 to 99 minute timer and analogue dial speed setting. Overall 185 x 320 x 105mm high. Weight 270kg. For 230V 50Hz single phase supplies.

SE635-40 MTS2/4

Orbital Shaker, IKA KS260 basic

Quiet running and very stable in operation. Provides a circular motion of 10mm diameter. The shaking speed can be adjusted between 20 and 500rpm and a timer from 5 to 50 minutes using LED display. A continuous run facility is also provided. Overall 420 x 360 x 98mm high (unloaded). Weight 8.8kg. Maximum loading 7.5kg. For 230V 50/60Hz single phase supplies. Requires accessories for operation.

SE745-15 Orbital Shaker, KS260 basic

Accessories for SE745-15 only

Universal attachment comprising basic holding device, 4 tension rollers and 8 clamping pieces to hold flasks, beakers etc. Overall 425 x 335 x 135mm high.

SE420-27 Universal attachment

Base attachment which accepts accessory clips to hold conical and volumetric flasks. Overall 330 x 330 x 24mm high.

SE420-29 Base attachment

Accessory Spring Clips for base SE745-15. The clips are supplied singly.

	For Flasks ml	Max. no. of units
SE420-40	25	28
SE420-42	50	22
SE420-44	100	16
SE420-46	200/250	8
SE420-48	500	8

Attachment for 6 x 50ml, 5 x 100ml, 3 x 250ml or 3 x 500ml separating funnels. Overall 334 x 425 x 145mm high.

SE420-67 Separating funnel attachment

Attachment for petri dishes and culture flasks, surface 320 x 320mm.

SE420-72 Petri dish/flask attachment

REINSTATEMENTS

Orbital Shakers continued

Orbital Shaker IKA KS501

Similar to SE745-15 but with digital display of speed 0 to 300rpm and circular motion of 30mm. Overall dimensions 505 x 585 x 120mm W x D x H. Overall height will vary according to the accessories fitted. Weight 26kg. Maximum loading 15kg. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories as selected to become operational.

SE770-10 Orbital Shaker KS501

Accessories

Universal attachment comprising basic holding device, 6 tension rollers and 12 clamping pieces to hold flasks, beakers etc. Overall 480 x 500 x 120mm high.

SE440-30 Universal attachment

Base attachment which accepts accessory clips to hold conical and volumetric flasks. Overall 475 x 460 x 95mm high.

SE440-32 Base attachment

Accessory Spring Clips for base SE440-32. The clips are supplied singly.

	For Flasks ml	Max. no. of units
SE420-40	25	50
SE420-42	50	48
SE420-44	100	25
SE420-46	200/250	16
SE420-48	500	12

Attachment to hold 12 x 50ml, 10 x 100ml or 6 x 250ml separating funnels.

SE440-35 Attachment

Attachment to hold 4 x 500ml, 3 x 1000ml or 2 x 2000ml separating funnels.

SE440-37 Attachment

Attachment for petri dishes and culture flasks, 450 x 450mm (L x W).

SE440-50 Attachment

REINSTATEMENTS

Overhead Stirrers

Stirrer, IKA Eurostar digital

An economically priced stirrer suitable for up to 20 litres of low to medium viscosity liquids up to 10000 mPas. Continuously variable, microprocessor controlled speed range 50 to 2000rpm with digital speed display. With 0.5mm to 10mm i.d. hollow shafted chuck and 13mm diameter clamping rod for mounting on a stand. Overall W x D x H 80 x 190 x 222mm. Weight 2.8kg. For 230V 50/60Hz single phase supplies. Without rotor.

SR730-25 Eurostar digital

Stirrer, IKA Eurostar power control visc

Powerful digital stirrer suitable for up to 40 litres of medium to high viscosity liquids up to 50000 mPas. Continuously variable, microprocessor controlled speed, range 50 to 2000rpm with digital set/actual speed display, alternative torque trend display for viscosity control, analogue and RS232 interfaces. With 0.5mm to 10mm diameter clamping rod for mounting on a stand. Overall W x D x H 80 x 190 x 205mm. Weight 3.8kg. For 230V 50/60Hz single phase supplies. Without rotor.

SR730-40 Eurostar power control visc

Overhead Stirrer, IKA RW20 digital

A robust stirrer for processing up to 20 litres of medium viscosity liquids up to 10000 mPas. With digital speed display, adjustable two-speed ranges: 60 to 500 and 240 to 2000rpm, and 1 to 10mm i.d., hollow shafted chuck. Also incorporates an electronic temperature safety cut-out on the motor and 13mm diameter clamping rod for mounting on a stand. Overall dimensions 88 x 212 x 294mm W x D x H. Weight 3.1kg. For 230V 50/60Hz single phase supplies. Without rotor.

SR750-25 RW20 digital

Accessories for Eurostar and RW20 stirrers

Stand

Base plate 200 x 316mm and 16mm diameter stainless steel rod, 800mm high. Maximum loading capacity 5kg.

MT468-22 Stand R1286

Bosshead R182

For clamping Eurostar and RW20 stirrer rods to stands. With quick release screws. Accepts rod diameters from 6 to 16mm.

SR753-09 Bosshead R182

Stirrer, IKA RW28 basic

A heavy duty stirrer for processing up to 80 litres of medium viscosity liquids. With two reversible speed ranges 60 to 400 and 240 to 1400rpm. Provides high torque at the lower speeds. With 1 to 10mm chuck and an infinitely variable mechanical speed control. Overall W x D x H 123 x 292 x 348mm. Weight 7.4kg. For 230V 50/60Hz single phase supplies. Without rotor.

SR765-20 RW28 basic

Accessories for RW28 basic stirrer

Heavy duty H-stand 2722

With stainless steel rod, 1010mm high.

MT492-08 Stand 2722

Bosshead R271

For clamping stirrer rod to stand.

SR768-14 Bosshead R271

Rotors, stainless steel

Suitable for all models. On 8mm diameter shaft.

	Ref.	Impellor Length	Shaft
SR753-14	R1375	Blade 70 x 70mm	550mm
SR753-17	R1345	Propellor 4-blade 100mm dia.	550mm
SR753-19	R1300	Dissolving 80mm dia.	350mm
SR753-23	R1312	Turbine 50mm dia.	350mm

REINSTATEMENTS

Mini-Magnetic Stirrer, IKA Lab Disc

Ultra-flat, IP65 encased, magnetic stirrer incorporating toroidal coil technology with no moving parts. Speed range 15 to 1500rpm. Maximum volume stirred 800ml (water). Polyester top plate with 90mm diameter white circle denoting stirring area. With membrane keypad control without display and “reversing function” button which reverses the stirring direction every 30 seconds. Overall 116 x 175 x 12mm W x D x H. Weight 0.3kg. For 100-240V 50/60Hz single phase supplies.

SS240-15 Lab Disc

Magnetic Stirrer, IKA Mini-MR standard

Maximum speed 2500rpm. Top plate 115 x 115mm. With variable speed control. Suitable for light stirring tasks. Maximum volume stirred 1 litre (water). The top plate has a white polypropylene 100mm diameter disc ideally suited to titration applications. Recommended stirring bar length is 30mm. Overall 117 x 127 x 50mm W x H x D. For 100-240V 50/60Hz single phase supplies.

SS330-20 Ikamag® Mini-MR standard

REINSTATEMENT

Magnetic Stirrer/Hotplate

Magnetic Stirrer/Hotplates, IKA RET basic safety control

Maximum speed 1700rpm. Maximum temperature 340°C. For stirring up to 20 litres of water. Stainless steel heating plate, diameter 135mm, digital speed and temperature setting with separate LED displays, adjustable safety overtemperature circuit from +50 to +300°C, error code display, “hot-top” indicator and DIN12878 connection for a Pt1000 contact thermometer to monitor and control sample temperature directly. Supplied with Pt100 probe and cable, splash protection cover for the IP42 level housing and facility for mounting 12.5mm diameter retort rod at the rear of the case. Overall 160 x 270 x 95mm W x D x H. Weight 2.5kg. For 230V 50/60Hz single phase supplies. Hotplate rating 600W.

SS635-52 RET basic, safety control, stainless steel plate

T H E E N D

PRICES FOR NEW ITEMS

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CAT. NO.	PRICE £	Per	CODE
BR264-15	13.70	pack	RO
	12.35	pack (10+)	
BR927-15	33.00	each	AD
BR927-25	51.00	each	AD
BW144-12	17.43	each	CA
HY620-25	230.00	each	RO
IC477-35	47.00	each	FO
MT435-66	689.00	each	OO
MT435-73	646.00	each	OO
MT435-79	646.00	each	OO
MT435-85	646.00	each	OO
MT435-89	107.00	each	OO
MT435-94	22.50	each	OO
MT440-30	622.00	each	OO
MT440-65	506.00	each	OO
MT440-80	506.00	each	OO
MT450-17	946.00	each	OO
MT465-10	701.00	each	OO
MT465-20	488.00	each	OO
MT465-30	528.00	each	OO
MT465-40	677.00	each	OO
MT468-22	203.00	each	OO
MT468-33	139.00	each	OO
MT492-08	470.00	each	OO
SE420-15	1338.00	each	OO
SE420-20	1745.00	each	OO
SE420-27	183.00	each	OO
SE420-29	95.50	each	OO
SE420-40	16.25	each	OO
SE420-42	16.25	each	OO
SE420-44	16.25	each	OO
SE420-46	32.00	each	OO
SE420-48	32.00	each	OO
SE420-67	303.00	each	OO
SE420-72	63.00	each	OO
SE440-10	2617.00	each	OO
SE440-30	883.00	each	OO
SE440-32	580.00	each	OO
SE440-35	988.00	each	OO
SE440-37	790.00	each	OO

SE440-50	116.00	each	00
SE620-50	152.00	each	00
SE630-14	800.00	each	00
SE632-15	50.00	each	00
SE632-20	210.00	each	00
SE632-25	218.00	each	00
SE632-30	151.00	each	00
SE632-32	348.00	each	00
SE635-40	855.00	each	00
SE745-15	1338.00	each	00
SE770-10	2617.00	each	00
SR730-25	1041.00	each	00
SR730-40	1411.00	each	00
SR750-25	749.00	each	00
SR753-09	42.50	each	00
SR753-14	103.00	each	00
SR753-17	91.00	each	00
SR753-19	157.00	each	00
SR753-23	145.00	each	00
SR765-20	1273.00	each	00
SR768-14	91.00	each	00
SS240-15	152.00	each	00
SS330-20	199.00	each	00
SS635-52	702.00	each	00
TJ847-87	20.90	each	RO
TJ847-98	272.00	each	RO

T H E E N D