

**ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS**

ISSUE 3 — March 2013

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| <i>Amendment</i> | |
|---|--|
| NEW ITEMS | |
| <u>Portable Microbiological Air Samplers</u> | |
| <p>For sampling air biocontaminants within critical environments such as cleanrooms, food production areas, fermentation rooms, hospitals and treatment plants to quantify the presence of micro-organisms. Comply with ISO 14698-1 requirements. Comprise disinfectable, polyurethane pump housing/controller with push-on, autoclavable, anodised aluminium or stainless steel, perforated sampling head which holds either 60mm diameter contact plates or 90mm diameter petri dishes. The internal surfaces of the sampling chamber are coated with antibacterial silver ions. A rechargeable, battery-operated pump allows portability and operation for up to 4 hours. The controller allows manual, sequential and programmed (1 to 2000 litres) sampling, delayed start, preset sampling flow rates, memory storage of up to 99 sampling procedures, graphics display with a choice of languages, USB interface and low battery alarm. The housing design allows horizontal or vertical operation and the unit can be switched on or off remotely using an infra-red control.</p> | |
| Model | Microflow _α 60 Microflow _α 90/C Microflow _α 60-90/C |
| Head apertures, No. x diameter | 219 x 1mm 380 x 1mm 219 and 380 x 1mm |
| For dish diameter mm | 60, ±2 90, ±2 60 or 90, ±2 |
| Sampling flow litres/minute | 30, 60, 90, 100, 120 — all models |
| rate, programmable | |
| Total sample, programmable litres | 1 to 2000 — all models |
| Display languages | English, Italian, French, German, Spanish |
| Overall W x D x H mm | 310 x 130 x 170 — all models |
| Weight kg | 1.9 — all models |
| <p>As described. Supplied as a kit with infra-red remote switch, battery charger for 100-240V 50/60Hz a.c. single phase supplies, mini gas torch for flaming the sampling head, instructions, calibration certificate and carrying case.</p> | |
| <u>Aluminium sampling head</u> | |
| AG103-10 | Microflow _α 60 |
| AG103-20 | Microflow _α 90/C |
| AG103-30 | Microflow _α 60-90/C |
| <u>Stainless steel sampling head</u> | |
| AG106-10 | Microflow _α 60 |
| AG106-20 | Microflow _α 90/C |
| AG106-30 | Microflow _α 60-90/C |

Accessories

Nozzles for Coliform counting in 35mm diameter ducts.

AG108-04 For 60mm dia. heads

AG108-07 For 90mm dia. heads

AG108-26 Interface cable and downloading software

CANCELLATIONS

AU125-45 Cancelled, offer **AU125-15**

CANCELLATIONS

AU700-10 Cancelled, no replacement

AU700-20 Cancelled, no replacement

AU700-30 Cancelled, no replacement

AU703-10 Cancelled, no replacement

AU703-20 Cancelled, no replacement

AU703-30 Cancelled, no replacement

AU706-95 Cancelled, no replacement

REINSTATEMENTS

Disposal Bags, Nylon

Withstand up to 170°C. Suitable for autoclaving surgical equipment, instruments, dressings etc. Dimensions stated are length x width in mm. Supplied in packs of 100. Thickness 0.05mm.

Size, mm

BA064-20 300 x 100

BA064-30 300 x 150

BA064-60 460 x 300

CANCELLATIONS

BR604-34 Cancelled, offer BR604-36
BR604-60 Cancelled, offer BR604-62

NEW ITEMS

Bottles, polyethylene, leakproof

High quality translucent bottles of sturdy construction designed for laboratory use at an economical price. Narrow mouth with sloping shoulders and leakproof cap. Supplied in packs as indicated.

| | Cap. ml | Pack qty. |
|-----------------|--------------------|----------------------|
| BR604-36 | 250 | 10 |
| BR604-62 | 2000 | 1 |

CANCELLATIONS

BS700-05 Cancelled, offer BS707-14

CANCELLATION

FB405-30 Cancelled, no replacement

CANCELLATION

FD070-18 Cancelled, special order only

CANCELLATION

FT254-50 Cancelled, no replacement

CANCELLATION

HP405-22 Cancelled, offer HP405-23

NEW ITEMS

Shaking Incubators, ES-20 and ES-80

Grant-bio

- ❑ Temperature range: — ES-20 Incubator: +25 to 42°C x 0.1°C
— ES-80 Incubator: +25 to 80°C x 0.1°C
- ❑ Temperature stability ±0.5°C
- ❑ Orbital shaking speed of 50 to 250rpm with 10mm (ES-20) or 20mm orbit (ES-80)
- ❑ Digital setting of temperature and shaking speed with LCD readouts and built in Timer for shaking from 1 minute to 96 hours
- ❑ Microprocessor controlled heating with forced air circulation
- ❑ Interchangeable platforms
- ❑ Robust construction with high visibility, Plexiglass side panels (ES-20 only)

| Model | | ES-20 | ES-80 |
|--|--------|---------------------------------|---|
| Capacity | litres | 19.5 | 53 |
| Internal W x D x H | mm | 300 x 260 x 250 | 390 x 450 x 300 |
| External W x D x H | mm | 340 x 340 x 435 | 590 x 525 x 510 |
| Maximum vessel height | mm | 156 | 220 |
| Number of conical flasks held x capacity, ml | | 12 x 100 to 150, 6 x 250 to 300 | 30 x 100 to 150, 16 x 250 to 300, 9 x 500, 6 x 1000 |
| Maximum Loading capacity | kg | 2.5 | 8 |
| Weight, net | kg | 15 | 43 |
| Power | W | 150 | 450 |

Incubators, Grant-bio ES-20 and ES-80

As described. Comprising direct drive orbital shaker, 7mm thick Plexiglass side and door windows (ES-20 only) or stainless steel chamber (ES-80 only), and digital display of temperature, time and shaking speed. For 230V 50/60Hz single phase supplies. # Require accessory platforms for operation.

IN730-10 Shaking Incubator, Grant-bio ES-20

IN730-20 Shaking Incubator, Grant-bio ES-80

Accessory Platforms

- IN732-12 P12-100 Platform with clamps for 12 x 100 to 150ml flasks/beakers. For use with IN730-10 only.**
- IN732-14 PP-4 Platform with non-slip rubber mat. For use with IN730-10 only.**
- IN732-16 P6-250 Platform with clamps for 6 x 250 to 300ml flasks/beakers. For use with IN730-10 only.**
- IN732-18 PUP-12 Universal platform with adjustable bars. For IN730-10 only.**
- IN732-20 P16-88 Platform for up to 88 x 30mm diameter tubes. For use with IN730-10 only**
- IN732-22 PP-400 Platform with non-slip rubber mat. For use with IN730-20 only.**
- IN732-24 P30-100 Platform with clamps for 30 x 100 to 150ml flasks/beakers. For use with IN730-20 only.**
- IN732-26 P16-250 Platform with clamps for 16 x 250 to 300ml flasks/beakers. For use with IN730-20 only.**
- IN732-28 P9-500 Platform with clamps for 9 x 500ml flasks/beakers. For use with IN730-20 only.**
- IN732-30 P6-1000 Platform with clamps for 6 x 1000ml flasks/beakers. For use with IN730-20 only.**

CANCELLATION

ML517-10 Cancelled, offer ML517-12

CANCELLATIONS

**PR194-30 Cancelled, offer PR240-30
PR194-40 Cancelled, offer PR240-40
PR194-50 Cancelled, offer PR240-50
PR194-70 Cancelled, offer PR240-70
PR194-80 Cancelled, offer PR240-80
PR194-90 Cancelled, offer PR240-90
PR197-05 Cancelled, offer PR245-05
PR197-10 Cancelled, offer PR245-08
PR197-15 Cancelled, offer PR245-12
PR197-20 Cancelled, offer PR245-16
PR197-25 Cancelled, offer PR245-20
PR197-30 Cancelled, offer PR245-28**

**PR197-35 Cancelled, offer PR245-32
PR197-40 Cancelled, offer PR245-36
PR197-45 Cancelled, offer PR245-40
PR197-50 Cancelled, offer PR245-48
PR197-55 Cancelled, offer PR245-55
PR197-60 Cancelled, offer PR245-60**

NEW ITEMS

Aspirator Pump, FTA-1

Grant-Bio

A compact, flexible-use, personal aspirator pump with integrated trap flask for the routine aspiration of supernatant alcohol and buffer in DNA/RNA purification, cell washing, tissue culture applications, ELISA, cell staining and excess removal of liquid from slides, petri dishes etc.

- Microprocessor controlled pumping unit, operating at 513mbar abs.**
- Supplied with 1 litre trap flask for the collection of residues during aspiration**
- Hydrophobic filter with 99.9% efficiency to trap bacteria, viruses and infected particulates, reducing the risk of contamination possible when compared with conventional vacuum pumping systems**
- With choice of single- or multi-tip operation when using accessory 8-channel Adapter**

As described. Supplied with 1 litre trap flask, hydrophobic filter, aspiration tube and tip, and instructions. 340 x 160 x 210mm H x W x D. Weight 1.5kg. For use with 100-240V 50/60Hz single phase supplies.

PX800-15 Aspirator Pump, Grant-Bio, FTA-1

Accessories

PX815-05 FA-1 replacement hydrophobic filter

PX815-10 FTA-B replacement cap for 1 litre trap flask

PX815-15 MA-8 8-channel adapter kit for use with microplates

PR850-30 Spare tips, 200µl, yellow, pack of 1000

BS445-30 Spare trap flask, 1 litre, with polypropylene cap

NEW ITEMS

Portable Refrigerators

For sample transport or vaccine and pharmaceutical storage in the field.

- 12V d.c. or 100-240V a.c. operation
- Temperature range +2 to +8°C within ambient temperatures up to +32°C
- Digital temperature display with Max./Min. function and temperature fluctuation Audio visual alarm
- Forced air circulation ensures minimal temperature fluctuation within the cabinet And rapid recovery if the lid is opened
- Compliant with RPSGB, NHS, WHO and RCVS requirements
- Durable, moulded, industrial plastic housing allows easy cleaning and a long working life

| Model | | SMP26 | SMP41 | SMP65 |
|--|--------|-----------|-----------|-----------|
| Capacity | litres | 26 | 41 | 65 |
| Dimensions, exterior (interior, max*) | H mm | 450 (295) | 400 (260) | 450 (325) |
| | W mm | 725 (435) | 610 (525) | 725 (610) |
| | D mm | 510 (275) | 385 (290) | 510 (360) |
| Weight | kg | 16 | 18 | 24 |

*Chamber dimensions are maximum. Compartment has ledges and indents.

As described. Supplied with vehicle cigarette lighter connection for mobile use and mains cable lead. For 12V d.c. or 100-240V 50/60Hz a.c. supplies.

RG140-26 SMP26

RG140-41 SMP41

RG140-65 SMP65

CANCELLATIONS

SB745-30 Cancelled, offer SB720-25
SB745-40 Cancelled, offer SB720-25
SB745-50 Cancelled, offer SB720-30
SB745-60 Cancelled, offer SB720-30
SB760-15 Cancelled, offer SB730-20
SB760-25 Cancelled, offer SB730-80
SB785-10 Cancelled, no replacement
SB785-20 Cancelled, no replacement

REINSTATEMENTS

Additional sizes of nylon sealing film. All packs are rolls of 30m.

Approx. layflat width, mm

SE162-16 50
SE162-19 75
SE162-30 200
SE162-33 250
SE162-36 300

CANCELLATIONS

SR730-25 Cancelled, offer SR730-35
SR730-40 Cancelled, offer SR730-50

NEW ITEMS

Overhead Stirrers

Stirrer, IKA Eurostar 40 digital

An economically priced stirrer suitable for up to 25 litres of low to medium viscosity liquids up to 30000 mPas. Continuously variable microprocessor controlled speed range 30 to 2000rpm with LED digital speed display. With 0.5 to 10mm i.d. hollow shafted chuck and 16mm diameter clamping rod for mounting on a stand. Overall W x D x H 86 x 208 x 248mm. Weight 4.4kg. For 230V 50/60Hz single phase supplies. Without rotor.

SR730-35 Eurostar 40 digital

Stirrer, IKA Eurostar 60 Control

Powerful, digital stirrer suitable for up to 40 litres of medium to high viscosity liquids up to 50000 mPas. With removable, wireless connection, multifunctional controller, TFT display and continuously variable, microprocessor controlled speed range 30 to 2000rpm. Includes display of set/actual speed and temperature (-10 to +350°C, using accessory probe) with safety cut-out, torque and timer function, and USB and RS232 interfaces. With 0.5 to 10mm i.d. hollow shafted chuck and 16mm diameter clamping rod for mounting on a stand. Overall W x D x H 86 x 230 x 267mm. Weight 4.7kg. For 230V 50/60Hz single phase supplies. Without rotor.

SR730-50 Eurostar 60 Control

Accessories for Eurostar stirrers

Stand

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

MT468-22 Stand R1826

Bosshead R182

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

SR753-09 Bosshead R182

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 | Propeller 4-blade 100mm dia. | 550mm |
| SR753-19 | R1300 | Dissolving 80mm dia. | 350mm |
| SR753-23 | R1312 | Turbine 50mm dia. | 350mm |

Accessory temperature probes for Eurostar 60 Control model only

SR753-80 H 62.51 stainless steel temperature probe

SR753-85 H 66.51 stainless steel, glass coated, temperature probe

CANCELLATIONS

SW525-20 Cancelled, no replacement

SW525-30 Cancelled, no replacement

CANCELLATION

TG300-35 Cancelled, offer TG304-35

AMENDMENTS

All TG600-, TG604-, TG610-, TG614- and TG620-series thermometers are now with yellow back instead of white back as stated in the catalogue.

All other details remain unchanged.

CANCELLATION

TL660-85 Cancelled, offer TL660-80

NEW ITEM

Dual Timer/Clock, Countdown/Countup

Digital reading with 12mm high LCD readout. 2 separate timing units with countup or countdown from 1 second to 23 hours 59 minutes 59 seconds and can be used as a 12/24 hour clock with setting keys and audible alarm. Supplied with back clip, stand and 1.4V battery.

TL660-80 Dual timer/clock

BL610-04 Spare battery 1.4V

CANCELLATIONS

TP470-11 Cancelled, special order only

TP505-22 Cancelled, special order only

CANCELLATIONS

TY568-16 Cancelled, offer TY571-16

TY568-30 Cancelled, offer TY571-28

TY568-40 Cancelled, offer TY571-41

TY568-50 Cancelled, offer TY571-50

TY568-55 Cancelled, offer TY571-54

NEW ITEMS

Tubing, Silicone

Translucent, flexible, platinum cured, pure silicone tubing ideal for most laboratory and food handling applications, especially in use with peristaltic pumps. Shore hardness 60. Non toxic and National Water Council approved. In coils of 10 metres.

Bore x o.d., mm

| | |
|-----------------|--------------------|
| TY571-11 | 1.6 x 4.8 |
| TY571-15 | 3.2 x 4.8 |
| TY571-16 | 3.2 x 6.4 |
| TY571-22 | 4.0 x 8.0 |
| TY571-28 | 5.0 x 8.0 |
| TY571-35 | 6.3 x 9.5 |
| TY571-39 | 8.0 x 11.2 |
| TY571-41 | 8.0 x 12.0 |
| TY571-50 | 9.5 x 15.9 |
| TY571-54 | 12.5 x 19.0 |

CANCELLATION

WS550-35 Cancelled, offer WS550-37

NEW ITEMS

Water Test Strips

Generally as previous, but with altered specifications and/or pack sizes.

| | Parameters | Range/increments mg/l | Pack qty. |
|-----------------|-----------------------------------|-------------------------------------|----------------------|
| | <u>Single parameter</u> | | |
| WS550-37 | Copper (Cu/Cu₂) | 0, 0.05, 0.1, 0.2, 0.4, 1, 2 | 25 |

T H E E N D

PRICES FOR NEW ITEMS

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| CAT. NO. | PRICE £ | Per | CODE |
|-----------------|----------------|------------|-------------|
| AG103-10 | 1755.00 | each | FO |
| AG103-20 | 2030.00 | each | FO |
| AG103-30 | 2851.00 | each | FO |
| AG106-10 | 2035.00 | each | FO |
| AG106-20 | 2385.00 | each | FO |
| AG106-30 | 2815.00 | each | FO |
| AG108-04 | 350.00 | each | FO |
| AG108-07 | 685.00 | each | FO |
| AG108-26 | 125.00 | each | FO |
| BA064-20 | 37.50 | pack | FO |
| BA064-30 | 41.50 | pack | FO |
| BA064-60 | 98.00 | pack | FO |
| BR604-36 | 6.85 | pack | AK |
| BR604-62 | 3.20 | each | AK |
| IN730-10 | 1575.00 | each | OA |
| IN730-20 | 2600.00 | each | OA |
| IN732-12 | 137.00 | each | OA |
| IN732-14 | 37.00 | each | OA |
| IN732-16 | 137.00 | each | OA |
| IN732-18 | 97.00 | each | OA |
| IN732-20 | 250.00 | each | OA |
| IN732-22 | 95.00 | each | OA |
| IN732-24 | 440.00 | each | OA |
| IN732-26 | 330.00 | each | OA |
| IN732-28 | 275.00 | each | OA |
| IN732-30 | 530.00 | each | OA |
| PX800-15 | 299.00 | each | OA |
| PX815-05 | 11.00 | each | OA |
| PX815-10 | 12.00 | each | OA |
| PX815-15 | 50.00 | each | OA |
| RG140-26 | 655.00 | each | PO |
| RG140-41 | 695.00 | each | PO |
| RG140-65 | 845.00 | each | PO |
| SE162-16 | 10.00 | each | FO |
| SE162-19 | 22.00 | each | FO |
| SE162-30 | 34.50 | each | FO |
| SE162-33 | 44.00 | each | FO |
| SE162-36 | 51.00 | each | FO |
| SR730-35 | 685.00 | each | MO |
| SR730-50 | 1052.00 | each | MO |

PRICES FOR NEW ITEMS
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| | | | |
|---------------------------|---------------|-------------------|-----------|
| SR753-80 | 107.00 | each | MO |
| SR753-85 | 158.00 | each | MO |
| TL660-80 | 9.72 | each | AO |
| TY571-11 | 26.33 | each | AA |
| TY571-15 | 22.15 | each | AA |
| TY571-16 | 30.26 | each | AA |
| TY571-22 | 32.24 | each | AA |
| TY571-28 | 30.51 | each | AA |
| TY571-35 | 37.96 | each | AA |
| TY571-39 | 39.60 | each | AA |
| TY571-41 | 38.12 | each | AA |
| TY571-50 | 72.29 | each | AA |
| TY571-54 | 99.27 | each | AA |
| WS550-37 | 9.49 | pack | RO |
| | 7.59 | pack (+12) | |
| <i>T H E E N D</i> | | | |