

# Microtitration

## Block Thermostat

**Grant**  
IN THE LABORATORY

For controlled, dry heating of test tubes, microplates and Eppendorf tubes in aluminium blocks.

- ◆ Range ambient +5°C to +130°C, with a novel interactive control interface using a dial rotor and two keys with a bright LED display, reaction timer from 1 to 4320 minutes, delayed start-up or switch-off function, offset adjustment to optimise accuracy, adjustable high temperature alarm, fault indication and alarm, socket for an accessory external Pt1000 temperature probe and thermal fuse overtemperature protection

Model		QBD2
Control		Digital
Range (resolution)	°C	Ambient +5 to 130 (0.1)
Stability (at 37°C)	±°C	0.1
Uniformity (at 37°C)	±°C	
within block		0.1
across similar blocks		0.2
Blocks accepted		2
Overall L x W x H	mm	28 x 200x 100
Power	W	300
Supply requirements		230V 50/60Hz single phase supply

As described. Supplied with block extraction tool. Requires, but does not include, interchangeable QB- or QDP-series blocks.

**BK205-30** QBD2

### Accessory cover

Clear polycarbonate. Protect the operator against accidentally touching blocks whilst hot.

**BK206-74** QBL2 cover for QBD2

### External Probe QBEP

Allows in-block temperature to be monitored and controlled directly.

**BK206-97** QBEP remote probe

### Tube Blocks

**BK217-18** QB-E0, block for 24 x 0.5ml Eppendorf tubes

**BK217-21** QB-E1, block for 24 x 1.5ml Eppendorf tubes

**MN663-14** QDP-FL, undrilled block for 96-well microtitration plates, with double layer, insulating, hinged lid

**MN663-18** QDP-H, 96 x 0.2ml tubes in 8-well or 12-tube strips, or 1 x 96-(0.2ml) well plate

## Microplate Thermoshakers, PHMP series

**Grant bio**

### ◆ Choice of models:

- PHMP: for 2 microplates
- PHMP-4: for 4 microplates

### ◆ Applications:

- Bacterial cultivation and DNA analysis
- In-situ cytochemical reactions
- Enzyme and protein analysis
- Matrix analyses in molecular chemistry
- Immunochemistry
- Molecular diagnostics
- Elisas

◆ Temperature range: ambient +5°C to +60°C, stability ±0.1°C

◆ Heated cover prevents condensation

◆ Shaking speed range 250 to 1200rpm x 10rpm resolution

◆ 2mm orbit

◆ Timer adjustable from 1 minute to 96 hours x 1 minute, with alarm and automatic switch off at end of timed period

◆ Low voltage power supply

◆ Operates in ambient temperatures of +4°C to +45°C

As described. With twin-line dot matrix LCD readout, membrane key switching, heated cover and 12V d.c. power adapter. A 220-240V 50/60Hz supply is required for the adapter.

**MN670-10** PHMP, 265 x 250 x 125mm W x D x H

**MN670-20** PHMP-4, 380 x 390 x 140mm W x D x H



**BK205-30 with MN663-14 in use**



**MN670-10 in use, MN670-20 is similar**