

## Heaters, block, digital, QBD series



- Digital setting and display to ensure accuracy and reproducibility of set temperature, for precise repeatability of procedures; setting resolution 0.1°C
- Ambient +5°C to 130°C operation
- Stability  $\pm 0.1^\circ\text{C}$ , uniformity  $\pm 0.1^\circ\text{C}$  precisely controlled conditions for temperature sensitive applications
- Easy interactive user interface based on a novel, sensitive rotor plus two keys and a digital display, for fast, accurate, intuitive set-up
- Reaction timer with buzzer from 1min to 72hr for time-sensitive incubations
- Function timer allows a delayed heater start-up or switch-off to be programmed, up to 72hr
- Off-set adjustment for optimum accuracy at the required operating temperature
- Safety features:
  - Overtemperature protection by thermal fuse
  - Variable high and low temperature alarms settable to within 0.5°C of set temperature for protection of valuable samples
  - Fault indication display
  - Visual alarm
- Socket for external Pt-1000 temperature probe. Extraction tool included as standard, for easy and safe block removal - even when hot and loaded with tubes
- Robust construction in streamlined cool wall aluminium and chemical resistant plastic

### Technical Specification - Specific

	11450958	11470958	11480958
Dimensions [w x d x h], mm	200 x 230 x 100	200 x 280 x 100	200 x 380 x 600
Heater power, W	150	300	600

### Technical Specification - General

Temperature range, °C	Ambient +5 to 130
Temperature setting range, °C	15 to 130
Stability, °C	$\pm 0.1$ (at 37°C)
Uniformity, °C	$\pm 0.1$ (within the block at 37°C), $\pm 0.2$ (across similar blocks at 37°C)
Heating time, min	15 (25 to 100°C)
Temperature display type	LED
Resolution, °C	0.1
Safety features	Over-temperature thermal fuse
Electrical supply	120-230V 50/60Hz

Catalogue No	Legacy No	Alt. No	No. of blocks
11450958	-	QBD1	1
11470958	-	QBD2	2
11480958	-	QBD4	4

### Interchangeable blocks

Catalogue No	Legacy No	Alt. No	Tube type	Holes per block
11490908	-	QB-0	Plain block	-
11400918	-	QB-10	10mm	24
11410918	-	QB-12	12mm	24
11420918	-	QB-13	13mm	12
11430918	-	QB-16	16mm	12
11440918	-	QB-18	18mm	12
11450918	-	QB-24	24mm and disposable universal bottles	5
12749028	-	QB-50	Tubes and glass universals	4
11480918	-	QB-E0	0.5mL microcentrifuge	24
11490918	-	QB-E1	1.5mL microcentrifuge	24
11400928	-	QB-E2	2.0mL microcentrifuge	24
11470918	-	QB-H	0.2mL microtubes, strips	56
11400968	-	QDP-FL	96 well plate suitable for 2-block heaters only	-
11410968	-	QDP-H	0.2mL suitable for 2-block heaters only	96

### Covers

Catalogue No	Legacy No	Alt. No	Description
11440968	-	QBL1	Cover for QBA1 and QBD1
11450968	-	QBL2	Cover for QBA2, QBD2 and QBH2
11460968	-	QBL-L4	Cover for QBD4