

OPERATING INSTRUCTIONS

- ⇒ Place the test tube blocks into the heater, it is important to use blocks that have been machined flat to ensure good thermal contact with the heating plate.
- ⇒ Connect the power cord to a properly grounded 3-pin outlet.
- ⇒ Switch the heater on and set the required temperature. Allow approximately 20 minutes for the unit to stabilize
- ⇒ Place a reference thermometer into the 7mm hole in the block to check the actual temperature. Adjust the front panel control if necessary.

A small amount of water or suitable oil in the tube/thermometer holes will ensure good thermal contact

Never put water or oil into the heating chamber.

MAINTENANCE

Regular cleaning is the only maintenance required.

SERVICE

Should the unit fail to operate correctly, any service work should be carried out by a qualified technician.

Unauthorised tampering will invalidate the manufacturer's guarantee.

SPECIFICATIONS

Power requirements:	240v AC 330 watt.
Heating element:	2 x High efficiency cartridge
Temperature control:	Phase controller using custom programmed microcontroller
Temperature range:	Ambient + 5 °c to 110 °c minimum 28 °c
Temperature stability:	0.1 °c
Capacity:	3 standard Ratek test tube blocks 95 x 75 x 50mm
Safety:	Over temperature cutout switch operates independently of the control circuit.
Case details:	Block and surround anodized aluminium. Case powder coated zinc seal.

Temperature control and stability figures assume that Ratek machined blocks are used.

PRODUCT WARRANTY

Ratek equipment is covered by a 12 month parts and labour warranty effective from the date of purchase.

This warranty covers the repair or replacement of any parts or components found to be defective, subject to the service options listed below.

This warranty excludes any defect resulting from misuse, neglect, accidental damage, improper voltage, or any alteration which affects the performance of the equipment.

- Does not extend to any costs associated with the delivery, damage, or loss incurred during transport.
- Is in addition to any Statutory regulations and provisions implied by the Trade Practices Act and any relevant State or Federal Government obligations.

For warranty service the following options are available:

- Contact the supplier from where the equipment was purchased to arrange for service.
- Return the equipment direct to Ratek Instruments, 60 Wadhurst Drive, Boronia, Vic 3155.

Warranty repairs not returned to Ratek can be undertaken by authorised service personnel but are limited to a parts only warranty.

Note: Proof of purchase is required for all warranty repairs.



OPERATING INSTRUCTIONS

FOR

DBH30 DRY BLOCK HEATER



FOR ADDITIONAL INFORMATION / TECHNICAL SUPPORT

TEL: 61 3 98872161

FAX: 61 3 98872163

EMAIL: sales@ratek.com.au