RATEK

DTC8500
Programmable Temperature Controller

- Programmable Ramp/Soak Control
- Up to 9 Program Storage
- Large Dual Line Digital Display
- Precision Digital PID Control
- 10A Power Output
- PT100 Sensor Input

Temperature Profiling with Advanced Control

The DTC8500 temperature controller provides precision temperature control of standalone heating devices with advanced ramp/soak functionality. Up to 9 programs with a total of 288 segments can be programmed to allow complete control over your temperature profile. Ideal for controlling heating blocks, heating mantles or devices lacking built-in temperature control where temperature accuracy and automated profiling is required.

SPECIFICATIONS

	DTC8500
Temperature Control	Advanced digital PID with fuzzy logic
Digital Display Type	Dual-line active bright LED
Information Display	• Current & set temp displayed concurrently • Over & under temp alarm set-point • Heating indicator • Run/hold indicator • Ramping/idling indicator • 0.1° resolution
Temperature Control Range	-30°C to 400.0°C, (actual range dependent on capabilities of external device being controlled)
Control Stability	+/- 0.02°C (dependent on capabilities of external device being controlled and sensor accuracy)
Heating Power	Maximum 2,300 Watts load
Alarm	• Audible & visual over-temp with cut-out • Audible & visual low level with cut-out • Visual under-temp indicator
Safety features	• Over-temp cut-out • Over-current protection
Power input	240 VAC / 50-60 Hz
Overall dimensions	W125 x D190 x H175mm
Nett weight	2 kg

The large bright dual-line LED display is easily visible from any angle and makes it easy to monitor your program from anywhere in the lab. The DTC8500 features over and under temperature alarms with audible over-temp siren and independent cutout.

Capable of powering devices up to 2.3 kW, the DTC8500 is suited to controlling large heating blocks, baths and heating mantles where high powered heating elements are used. The advanced temperature profiling gives you complete control of the temperature ramping over time.

Constructed from powder coated stainless steel, the sturdy enclosure is corrosion resistant and features a splash proof polycarbonate keypad.

RELATED PRODUCTS

Product Code	Description
TH8500	Digital ramp/soak thermoregulator for water baths.

AUSTRALIAN MADE & SUPPORTED

3 YEAR PARTS WARRANTY

Quality
ISO 9001
SAI GLOBAL