



Temperature Controller

PTC04

Temperature controller for incubators and heaters

FEATURES

- * High output power for rapid heating
- * Compatible with our range of heating devices
- * Temperature control below ambient with optional Peltier Controller (PC01)

The PTC04 is a proportional temperature control unit for use with incubators and temperature controlled solutions located away from sensitive recording instruments since it is powered by an external switch-mode power supply. These types of power supply often produce undesirable noise that can interfere with electrophysiological recordings. A low voltage direct current output is used to power heating elements together with a sensor for feedback proportional control. The required temperature is set using the front control panel. When the display selector is set to control the display reads the temperature of the control sensor. The set temperature must exceed ambient by at least 2 degrees centigrade. Set temperatures are not lost in the event of a power loss: unit can be left to operate from day to day without having to set temperature each time.



SPECIFICATIONS OF PTC04

Readout accuracy	+/- 0.1 degrees centigrade.
Control accuracy	0.5 degrees centigrade below set temperature maximum difference.
Control stability	Not more than +/- 0.1 degree centigrade from control point.
Output power	36 Watts Max.
Output type	D.C. Proportional control.
Temperature range	10 to 60 degrees centigrade.
Sensors	PT100 Platinum Resistance Grade B (Control & Monitor).
Power requirements	110V / 240V +/- 10% 60/50Hz, 50 W (specified on order).
Dimensions	18cm W x 18.5cm D x 6.5cm H.
Weight	1 Kg.