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Physitemp TCAT-2 Temperature Controller





Temperature Range: Ambient +2 °C to 60 °C

Rating: Not Rated Yet
Price

Ask a question about this product

Description

The Physitemp TCAT-2 is a general-purpose PID autotuning temperature controller designed for precise temperature regulation in laboratory settings, particularly for maintaining animal body temperature during surgery or stereotaxic procedures using heat lamps, heating pads, or blankets, and also suitable for cooling applications like perfusate cooling systems.

Key Specifications:
Temperature Range: Ambient +2 °C to 60 °C
Resolution: ±0.1 °C
Accuracy: ±0.5 °C
Feedback Sensors: Compatible with Type T thermocouple probes (RET series rectal probes, IT series implantable probes, MT series needle probes)
Power Output:
TCAT-2AC: Max 700 W for AC-powered devices (e.g., heat lamps)
TCAT-2LV/TCAT-2DF: 12 V DC, 2 A max for low-voltage heating pads
Control Modes: Heat/cool switch for heating or cooling applications, with cooling mode inverting control to shut off below setpoint
Power Supply: 110 V , 50/60 Hz
Display: Dual LED display showing set (red) and actual (red) temperatures
Safety Features: TCAT-2LV and TCAT-2DF include dual setpoint control to prevent thermal overshoot, reducing burn risk
Housing and Design: Durable baked enamel-painted aluminum housing with adjustable front feet for optimal viewing angle

Comes with our 90-day warranty.

Biotech Equipment Sales, Inc.: based in South San Francisco, the Biotech capital of the world, since 2009. We are dedicated to bringing high-quality pre-owned laboratory instrumentation to our scientific community.

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