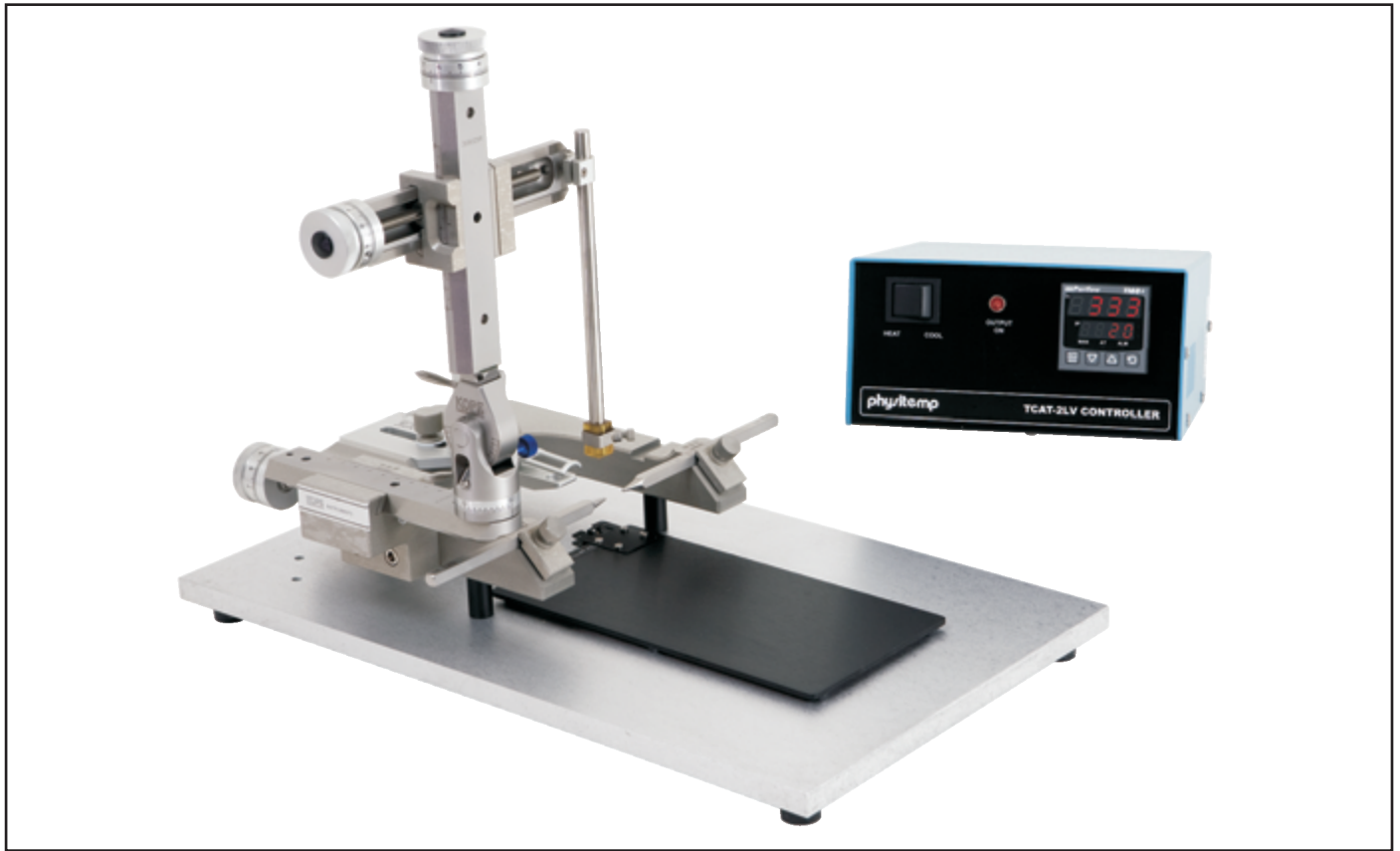


MODEL TCAT-2LV SMALL ANIMAL TEMPERATURE CONTROL SYSTEM



Model TCAT-2LV Temperature Controller combined with Model HP-1M Heating Plate and appropriate animal rectal probe are designed to maintain the body temperature of anesthetized animals during stereotaxic surgical procedures. Unit may also be used in cooling applications.

Model TCAT-2LV provides a low voltage DC output for electrically sensitive applications where AC frequencies might interfere with monitoring devices. It comes standard with a built-in DC power supply. Design includes a dual set point control circuit to prevent the heating element from over-shooting the control point due to thermal lag.

Model HP-1M Heating Plate and Models RET-2-ISO or RET-3-ISO Rectal Probe are connected to the TCAT-2LV Temperature Controller. The controller front panel is set to required temperature. A heat /cool switch is provided. An indicator light indicates when power is being applied.

Model HP-1M Heating Plate is a direct current heating plate for small rodents. Standard plate is black anodized aluminum.

Plate Dimensions: 8½" L x 4 3/8" W x ¼" H

RET-2-ISO Rat Rectal Probe

RET-3-ISO Mouse Rectal Probe

(probe not shown)

SPECIFICATIONS

Accuracy:	± 0.5°C
Resolution:	± 0.1°C
Range:	-200 to +400°C
Readout:	Dual display, Set (green) & Run (red) temperatures
DC Output Rating:	TCAT-2LV 12V DC, 2 amps Max.
AC ground leakage current:	Less than 1 milliamp at 110V AC
Dual Set Point	Feedback sensor prevents temperature exceeding 40°C
Protection Feature:	
Dimensions:	7¼" W x 4 3/8" H x 10" D