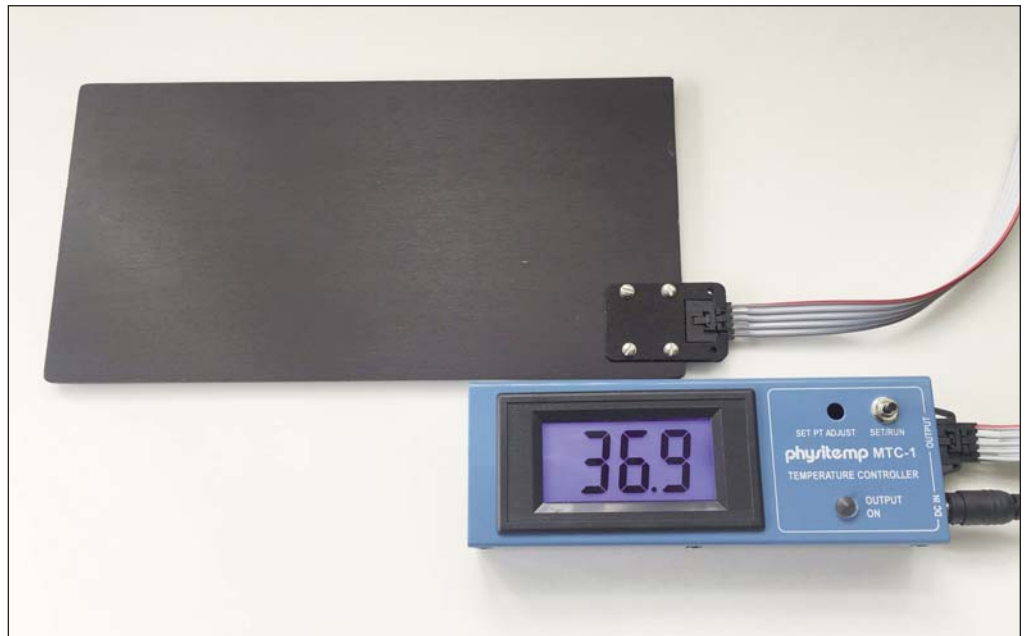


ANIMAL MICRO TEMPERATURE CONTROLLER

MTC-1 Animal Micro Temperature Controller

- Control warming blankets and heat plates
- Control Range of ambient to 99.9°C
- 110 to 230V AC line operation
- Resolution 0.1°

Recent interest in a simple low cost temperature controller to maintain small animal temperatures was the reasoning behind the development of the Physitemp MTC-1 microtemperature controller. Utilizing a precision highly stable platinum RTD as the feedback sensor, this inexpensive controller will display and maintain a set temperature within + or - 0.1 degrees Centigrade. The controller is designed to operate from a 12VDC supply and can control an output current up to 4 Amperes (50 Watts). It can also be used with an input voltage between 6 and 24VDC for both lower and higher power applications (up to 90 Watts). A 1/2 inch backlit LCD readout provides continuous display of temperature with 0.1 degree resolution. The set point is easily adjusted from just above room temperature up to 99.9 degrees C via a 20 turn potentiometer. A momentary switch allows the user to toggle the display between the set and run temperatures. The controller combined with either a heat plate or warming blanket is ideal for maintaining the temperature of mice, rats and small animals. For specific applications please contact our Engineering Department at 1-800-452-8510 for assistance.



MTC-1 Micro Temperature Controller set-up with HP-1M Animal Warming Plate

MTC-1 CONTROLLER SPECIFICATIONS

Accuracy:	±1°C
Resolution:	±0.1°C
Range:	Ambient to 99.9°C
Readout:	0.5" Backlit LCD
Max DC Power Output with resistive load:	90 Watts
DC Output Rating:	min 6V max 24V DC, 4 Amps
AC ground leakage current:	less than 1 millamp at 110 V AC
Dimensions:	5 1/2" long x 2" wide x 1" deep
Weight:	1lb including power supply
Power Supply:	110V - 230 V AC input, 12V DC output at 4 Amps

Warming Plates

Dimensions HP-1M:	4 3/8" W x 1/4" H x 8.5"L
Dimensions HP-4M:	1.5" W x 1/4" H x 4"L
Weight:	.5 lbs.
Power:	25 watts
Over Temperature Protection:	100 Ohm RTD

Warming Blankets

Model no.	WB-1	WB-2
Dimensions:	8" x 6"	10" x 10"
Power:	12 V @ 1.5 amps	
Over Temperature Protection:	100 Ohm RTD	
Lead Length:	3 feet	
Material:	Antibacterial Washable Surface	



WB-1 Animal Warming Blanket