

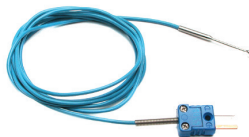
## **MLT1404 Rectal Probe for Mice**

*Transducer Series*

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### **Description**

The MLT1404 Rectal Probe for Mice is also suitable for small animals such as hamsters or rat pups. For larger animals the MLT1403 Rectal Probe for Rats may be more suitable. The probe consists of a thin 19 mm stainless steel shaft with a smooth ball tip. The MLT1404 is supplied with a 2-pin T-type thermocouple plug suitable for connection to the ML312 T-type Pod, ML290 Thermometer for T-type thermocouples or ML295 Homeothermic Controller and Pad.



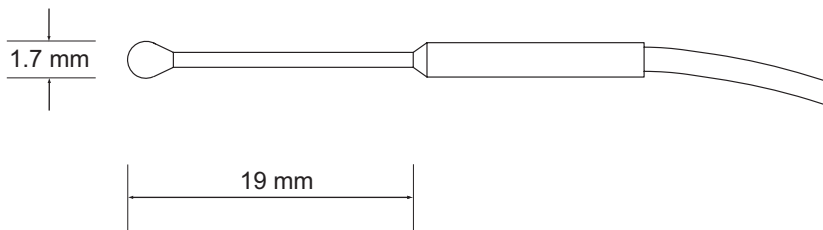
### **Operation**

A copper-constantan sensor within the stainless steel shaft measures the temperature. The two dissimilar metals are joined at a junction which produces a small thermoelectric voltage when heated. This voltage is proportional to temperature.

### **Application**

The MLT1404 Rectal Probe for Mice is suitable for temperature measurements in the range of  $-273\text{ }^{\circ}\text{C}$  to  $125\text{ }^{\circ}\text{C}$ .

### **Technical Diagram**



## Caution

Read "Statement of Intended Use" on our website or in "Getting Started with PowerLab" before use

- Intended for animal use only.
- Do not immerse in liquid.
- Do not autoclave. To clean, wipe probe with alcohol or a liquid sterilization medium such as Cidex, applied with a sterile wipe.

## Specifications

Operating range:	-273 to 125 °C
Sensor element:	Type T Thermocouple
Accuracy:	±0.1 °C
Thermal response time:	0.5 seconds
Probe type:	Non-isolated
Shaft length:	19 mm (0.8")
Shaft diameter:	0.7 mm (0.03")
Ball tip diameter:	1.7 mm (0.07")
Cable length:	1.5 m (5')
Weight (including cable):	15.8 g
Connector:	T-type

All specifications were tested at the time of printing and are subject to change.

## Ordering Information:

MLT1404 Rectal Probe for Mice

For use with:

ML312 T-type Pod

ML290 Thermometer for T-type thermocouples

ML296 Homeothermic Controller and Pad