

## **MLT1403 Rectal Probe for Rats**

*Transducer Series*

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### **Description**

The MLT1403 Rectal Probe is suitable for adult rats. For smaller animals the MLT1404 Rectal Probe for Mice may be more suitable. The probe consists of a 25.4 mm (1.0") stainless steel shaft with a smooth ball tip. The probe can be connected directly to the ML312 T-type Pod, ML290 Thermometer for T-type thermocouples or ML295 Homeothermic Controller and Plate.



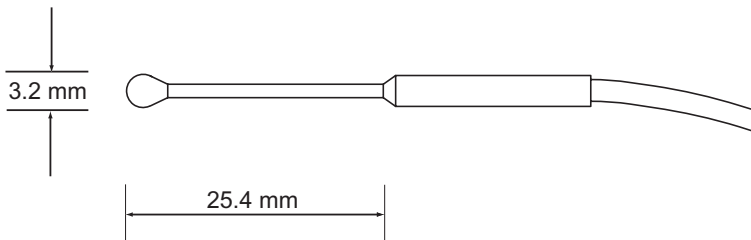
### **Operation**

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 MLT1403 Rectal Probe for Rats is suitable for temperature measurements in the range of -273 °C to 125 °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:	0.8 seconds
Probe type:	Non-isolated
Shaft length:	25.4 mm (1")
Shaft diameter:	1.5 mm (0.06")
Ball tip diameter:	3.2 mm (0.13")
Cable length:	1.5 m (5')
Weight (including cable):	16.8 g
Connector:	T-type

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

## Ordering Information:

MLT1403 Rectal Probe for Rats

For use with:  
ML312 T-type Pod  
ML290 Thermometer for T-type  
ML295 Homeothermic Controller and Plate