

MLT1403 Rectal Probe for Rats

Transducer Series

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.



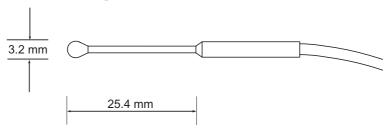
Operation

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 $^{\circ}$ C to 125 $^{\circ}$ 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

+0.1 °C Accuracy: 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



ISO 9001:2008 Certified Quality Management System