

# Precision Thermometers

Isotech have a range of innovative precision thermometers to match the calibration requirements of all labs, from the most demanding of National Metrology Institutes through to the needs of those calibrating industrial sensors.

## Precision Thermometers

Isotech have a range of precision thermometers, from a two channel handheld thermometer, the TTI-10 to a bench mounting thermometer with performance to 1mK (0.001°C) at a ground breaking new price.

## True Surface Temperature Measuring System

This is a true temperature indicator for use with surface temperature measurement, ideal for use with the Small Hot-Plate Model 983.

## Semi Standard Resistance Thermometers and Thermocouples

This section includes a range of "Semi Standard" thermometers that can be used with the TTI's. These precision semi standards are more rugged and affordable than the standard thermometers and ideal for industrial applications.

## Fixed Resistors

Isotech have a miniature resistor with an ultra low temperature coefficient, model 836, with accuracies of  $\pm 0.005\%$  and temperature coefficients of less than 1ppm. These resistors offer an outstanding cost to performance ratio and will find use alongside a model from our TTI range and in other areas of industrial calibration.



In addition to Precision Thermometers a range of Thermometry Bridges are available. The microK range have accuracies of  $< \pm 0.1\text{ppm}$  to suit Primary and Secondary Laboratories.

Details are in Catalogue 1: Solutions for Primary and Secondary Laboratories.

## Thermometer Selection Guide

Model	SPRTs	PRTs	Thermistors	Thermocouples	Accuracy at 0°C	Features
TTI-10		■			0.01°C	Handheld, two channel
TTI-22	■	■			0.001°C	Sets new Standard for Price to Performance Ratio
milliK	■	■	■	■	0.003°C	SPRTs, PRTs, Thermistors and Thermocouples
Model 954						8 Channel PRT Switch for TTI-22 and TTI-7 PLUS
Model 958						8 Channel Thermocouple Switch for TTI-22 and TTI-7 PLUS



### True Surface

Temperature Measuring System

- Indicates True Surface Temperature
- 30°C to 350°C
- Resolution 0.1°C



### Semi Standard

Resistance Thermometers and Thermocouples

- Ideal for Industrial Applications
- Can be supplied with UKAS
- Choice of temperature ranges and sizes



### Fixed

Resistors

- Wide range of Values
- Oil Filled
- Precise and Stable for Industrial References