

# Precision Thermometry Bridges

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

## microK Family

These instruments and the matching microK channel expander can be used with the best of Standard Platinum Resistance Thermometers, Thermistors and Thermocouples with uncertainties of better than 0.0001°C.

The microK family has unrivalled convenience and flexibility with performance that was previously only attainable with the best of the AC Resistance Bridges.

## TTI Family

The True Temperature Indicator family includes the TTI-22 and TTI-7 PLUS. The TTI-22 offers performance to 1mK at a ground breaking new price. The TTI-7 can be used with SPRTs, PRTs and all the major thermocouple types.



## Thermometer Selection Guide

Model	SPRTs	PRTs	Thermistors	Thermocouples	Accuracy at 0°C	Application	Features
microK 100	■	■	■	■	0.000025°C	Primary	Three Input Channels Touch Screen
microK 200	■	■	■	■	0.000050°C	Primary	Adjustable Current Source Keep Warm Currents Touch Screen
microK 400	■	■	■	■	0.000100°C	Secondary	
microK 800	■	■	■	■	0.000200°C	Secondary	
TTI-22	■	■			0.001°C	Secondary	Sets new Standard for Price to Performance
TTI-7	■	■		■	0.01°C	Secondary/ Industrial	SPRTs, PRTs and Thermocouples
<b>Scanners</b>							
microKanner							Add up to 90 Channels to microK family Plug and Play Operation
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

## Resistors

To enable the smallest of measurements Standard Resistors are used, and in the Primary Lab these resistors require to be kept at a precise and constant temperature. Isotech can supply and calibrate Standard Resistors to uncertainties less than 0.08ppm.

Resistor Selection Guide			
Model	SRA & SRB	456	455
			
<b>Values</b>	SRA: 1, 10, 25 and 100 Ohm 400 Ohm to special order  SRB: 1000 and 10,000 Ohms	10, 25, 100, 1000, 10,000 Ohm	Standard Resistor Maintenance Bath
<b>Application</b>	Primary and Secondary Lab microK	Affordable Resistors with inbuilt temperature control	Precisely Maintains SRA Primary Resistors at Fixed Temperature

<http://www.isotech.co.uk>

