

# Isotech Precision Thermometer – Micro K

## ISOTECH

### Features

- Accuracy  $\pm 0.1\text{ppm}$
- Zero drift for PRTs
- PRT, thermocouple and thermistor sensing
- <2 second measurement time
- Keep-warm currents
- 0-10mA sensor current
- Touch screen



### SPECIFICATIONS

Accuracy	Voltage uncertainty:
Thermocouples	Range 0-20mV 250nV Equivalent to 0.01°C for Gold Platinum thermocouples at 1000 °C
Measurement Time	<2 seconds per channel
Temperature	PRTs: ITS-90, Callendar-van
Conversions	Dusen Thermocouples: IEC584-1 1995 (B, E, J, N, R, S, T), L and gold-platinum
Thermistors	Steinhart-Hart
Cable Length	Limited to 10Ω per core or 10nF shunt capacitance (equivalent to 100m of RG58 coaxial cable)
Input Connectors	Cable Pod™ connector accepting: 4mm plugs, spades or bare wires
Contact material	gold plated tellurium copper
Interfaces	RS232 (9600 baud) USB (1.1) - host
Display	163mm / 6.4" VGA (640 x 480) Colour TFT LCD
Channels	3
Cold Junction Mode	External and Remote with PRT
Expandable	Add up to 90 expansion channels
Probes Supported	PRT's, Thermistors & Thermocouples
Units	Ratio, V, Ω, °C, °F, K
Switching Technology	Solid state
Keep Warm Current	Adjustable 0-10mA

### MODEL

### DESCRIPTION

MicroK100	Isotech Precision Thermometer (0.1ppm)
MicroK200	Isotech Precision Thermometer (0.2ppm)
MicroK400	Isotech Precision Thermometer (0.4ppm)
MicroK800	Isotech Precision Thermometer (0.8ppm)
MicroKanner	10-channel scanner