

True Temperature Indicators

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



isotech offers instruments for the Primary Laboratory through to Industrial calibration applications.

The microK is the only instrument of its type in the world which will work to <0.1ppm precision and support all three commonly used sensors, platinum resistance thermometers (PRTs), thermocouples and thermistors. Long term, the stability of the microK achieves literally zero drift for resistance ratio measurements and an annual drift of <3 ppm for voltage measurements.

microK

The microK Precision Thermometer: An unequalled combination of accuracy, stability and versatility.

- Accuracy 0.1ppm
- 3 Channels
- Stability of 0ppm / year
- Resistance range of 0 - 500 kΩ
- Internal resistance standards 1, 10, 25, 100 and 400Ω
- Supports SPRTs, PRTs Thermistors and Thermocouples



TTI-7

PRT/RTD and Thermocouple Thermometer accepts scanner cards for up to 10 channels

- Accuracy to 0.01°C (10mK)
- 0.001°C resolution (Pt100 Inputs)
- PRT and thermocouple inputs
- Datalog up to 4000 measurements
- Portable - 10 hours use
- Eliminate unwanted thermal EMFs with current reversal



Fast-Cal

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



The Product You Designed! During a seminar, twenty experienced engineers from many parts of the world were asked to produce their ideal specification for industrial calibration. Their desired features were:

1. Rugged
2. Light weight
3. Easy to use on site
4. Low cost / high benefit ratio
5. Fast response, high stability
6. Time saving features
7. Multiple sensor testing
8. Software
9. Modern design
10. Compliant with the latest regulations.

The result is our range of Fast-Cal products.



Basic or Complete explained

Fast-Cals are available in basic or complete models.

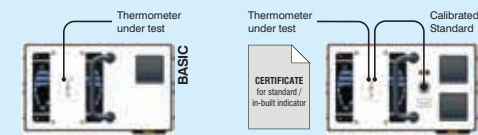
A Basic Dry Block Calibrator

The thermometer under test is compared to the dry block controller value. Useful for moderate temperature ranges and quick testing.

The Fast-Cal HTM2010 has the same range as the low temperature model and has a fixed block ideal for medical validation applications.

An ISO9000 Calibration System

A thermometer under test is compared to a calibrated standard for true traceability and clearly meets the requirements of ISO9000. Complete models include a semi-standard reference probe.



Model	LOW	MEDIUM	HIGH
Range at 20°C	-35 to 140°C	30 to 350°C	35 to 650°C
Stability	0.02°C	0.03°C	0.05°C
Accuracy - Basic	±0.2°C	±0.3°C	±1°C
Accuracy - Complete	±0.15°C	±0.2°C	±0.5°C
Heating Time	-30 to 140°C in 15 minutes	50 to 350°C in 15 minutes	50 to 650°C in 20 minutes
Cooling Time	140 to 0°C in 15 minutes	350 to 140°C in 40 minutes	650 to 300°C in 20 minutes

Calibration Capacity	148mm depth, 25mm diameter
Comms & Software	PC Communications and Software Included
Dimensions	228 x 248 x 143mm
Weight	6.6kg

Metrology Baths and Furnaces

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



We can confidently claim that Isotech manufactures the widest selection of Metrology Baths, Furnaces and Fixed Point Apparatus. There are simply too many to discuss here, so if you are in the market for this equipment please call us with your requirements.

Shown here is one of our more popular models - The Medusa 3. Our full range of Metrology baths have the following advantages:

- Temperature range covering -25°C to 1100°C
- Suitable for fixed points from Indium to Silver
- Equalizing blocks available for comparison calibrations
- Black body option
- Surface sensor calibration option
- Extended depth calibration volume is ideal for longer probes and minimising stem conduction



Model	Temperature Range
Oceanus-6	-25°C to 140°C
Stirred Ice Bath	0°C
Medusa-1	30°C to 550°C
Oberon	450°C to 1100°C