

I-cal Easy Laboratory

Kelvin House, Measurement Road

Calibration Certificate

Date of Calibration 17/01/2005

The thermometer under test was compared with a Standard Thermometer in a Dry Block Bath. The thermometers were immersed to a depth of 160mm. The result summary shows the mean of three measurements at each temperature. The standard value is shown in °C along with the resistance of the unit under test in Ohms.

The Temperature Scale used is ITS-90

The estimated uncertainty of calibration is +/-0.3°C

Standard	Unit Under Test	Setpoint
-29.636667	88.579333	-30.0000
0.180000	100.140000	0.0000
29.850000	111.625333	29.8000
125.050000	147.981333	125.0000
0.116667	100.119667	0.0000

The Standard temperature values and the corresponding resistance values from the unit under test were used to calculate IEC 751 coefficients as below.

R0	100.072241406675
Coefficient A	0.00387986685942939
Coefficient B	-4.11337232838171E-7
Coefficient C	1.48610951694172E-10

The serial number of the unit under test was RTD 56-43-12

The serial number of the standard thermometer was: Std PRT 12-32-12