

Certificate of Calibration

Issued By TRESICAL Ltd



UKAS Accredited Calibration Laboratory No.0013

Certificate Number

2014140001

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Calibrated "As Found" (i.e. no adjustments made)

Approximate Probe Length: 160mm

Approximate Diameter: 4mm

Serial No. Indicator: 0711500

Serial No. Probe: 0711500P

The instrument was calibrated by immersing the probe in closely controlled temperature reference environments together with two reference standard instruments having known traceable values of uncertainty. The instrument was calibrated by using the comparison method.

The following results are derived from the mean values of a number of observations.

The probe was immersed to a minimum depth of 150mm.

Applied Temperature °C	Indicated Temperature °C	Error °C
-0.019	0.02	0.039
-39.814	-39.86	-0.046
-23.820	-23.84	-0.020
-18.826	-18.84	-0.014
-0.019	0.02	0.039
10.010	10.11	0.100
20.082	20.11	0.028
30.057	30.08	0.023
37.041	37.10	0.059
40.041	40.07	0.029
50.014	50.04	0.026
59.992	60.01	0.018
70.031	70.02	-0.011
80.011	80.04	0.029
90.114	90.10	-0.014
99.973	99.94	-0.033
191.204	190.99	-0.214
-0.019	0.02	0.039

The uncertainty associated with the above measurements is;
 $\pm 0.05^{\circ}\text{C} + 0.01^{\circ}\text{C}$ (Instrument Resolution).

The above uncertainty refers to the measurements and is not intended to indicate the specifications, or repeatability of the instrument.

The temperature scale in use is the international temperature scale of 1990, ITS – 90.

Procedure Used- ACL/10019/0003