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Littlebrook Calibration Services' UKAS Temperature Calibration capabilities on the 13 November has been extended by the Accreditation of fixed point temperature calibration of Platinum Resistance Thermometers PRT.

This improvement of our capabilities is a direct result of pressure from our Ametek/Jofra Temperature Instrumentation and Pharmaceutical Customers for higher temperature calibration accuracies.

Accreditation by UKAS for the freezing Point of Aluminium is expected late 2007 early 2008.

FIXED POINT TEMPERATURE CALIBRATION OF PRT

6mm / ¼ inch Quartz probes against fixed point cells (maximum 8 mm)

TP Mercury Range -38.8344 °C Accredited Uncertainty 3 mK (0.003 °C)
TP Water Range 0.01 °C Accredited Uncertainty 2 mK (0.002 °C)
MP Gallium Range 29.7646 °C Accredited Uncertainty 3 mK (0.003°C)
FP Indium Range 156.5985 °C Accredited Uncertainty 4 mK (0.004°C)
FP Tin Range 231.928 °C Accredited Uncertainty 5 mK (0.005 °C)
FP Zinc Range 419.527 °C Accredited Uncertainty 6 mK (0.006 °C)
FP Aluminium Range 660.323 °C Accredited Uncertainty 14mK (0.014 °C)

6mm / ¼ inch Inconel sheathed probes against fixed point cells (maximum 8 mm)

TP Mercury Range -38.8344 °C Accredited Uncertainty 10 mK (0.01 °C)
TP Water Range 0.01 °C Accredited Uncertainty 8 mK (0.008 °C)
MP Gallium Range 29.7646 °C Accredited Uncertainty 10 mK (0.01°C)
FP Indium Range 156.5985 °C Accredited Uncertainty 13 mK (0.013 °C)
FP Tin Range 231.928 °C Accredited Uncertainty 17 mK (0.017 °C)
FP Zinc Range 419.527 °C Accredited Uncertainty 22 mK (0.022 °C)
FP Aluminium Range 660.323 °C Accredited Uncertainty 47 mK (0.047 °C)

Issued Certificates can list temperature to resistance tables in 1 °C steps over the calibrated range based on determined ITS 90 constants, at a nominal additional charge.

A handwritten signature in black ink, appearing to read 'E.A. Thompson'.

E.A. Tommy Thompson
Director / General Manager



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