



# Low Cost Fixed Point UKAS Calibration of Temperature & Humidity Systems

- **Guaranteed International Traceability via UKAS Certificate**
- **Multi-Point System Calibration Certificate**
- **Guaranteed Uncertainties**

TMS Europe Ltd has its own UKAS Accredited Calibration Laboratories for temperature, humidity, pressure, time and electrical measurement with a wide scope of measurement, for more details see our Schedule of Accreditation at: [www.tmseurope.co.uk/calservices](http://www.tmseurope.co.uk/calservices)

Certificates of Temperature Calibration can issued with uncertainties as low 0.25°C for thermocouples and 0.025°C for resistance thermometers. A UKAS Certificate provides proof that an instrument and probe has been calibrated against Nationally Approved Standards in accordance with UKAS and ILAC accreditation.

Listed below are our Low Cost Fixed Point UKAS Calibration packages for digital thermometers and probes, infrared thermometers, thermo-hygrometers and thermocouple calibrators. They will be calibrated at fixed points, with a wider uncertainty than normal, but at a much more affordable price. Each Certificate indicates the Deviations from Standards at the calibrated points, with results recorded including the instrument's serial number, model, etc. Uncertainty for these calibrations are shown below, for other calibration points and lower uncertainties, please enquire.

Order Code	Description	Uncertainty*	Price
CAL UKAS STD01	6 Point Certificate, Instrument and Probe (RT or T/C) at -18, 0, 70, 100,120 & 165°C.	RT ±0.1°C T/C ±0.5°C	£60.00
CAL UKAS STD02	4 Point Certificate, Instrument and Probe (RT or T/C) at 0,100, 165 & 260°C.	RT ±0.1°C T/C ±0.5°C	£60.00
CAL UKAS STD03	5 Point Certificate, Instrument and Probe (T/C) at 260, 450, 600, 900 & 1100°C.	Base Metal T/C ±3°C Rare Metal T/C ±2.5°C	£75.00
CAL UKAS STD04	4 Point Certificate, Instrument and Probe (T/C) at 260, 600, 900 & 1250°C.	Base Metal T/C ±3°C Rare Metal T/C ±2.5°C	£95.00
CAL UKAS STD05	4 Point Certificate, Instrument and Probe (T/C) at 450, 500, 900 & 1500°C.	Base Metal T/C ±3°C Rare Metal T/C ±2.5°C	£120.00
CAL UKAS IR01	3 Point Certificate, Infrared Thermometer with 0.95 Emissivity, at -20, 10 & 250°C.	±2.5°C	£35.00
CAL UKAS IR03	3 Point Certificate, Infrared Thermometer with 0.95 Emissivity, at 600, 800 & 1000°C.	±6°C	£180.00
CAL UKAS IR04	3 Point Certificate, Infrared Thermometer with 0.95 Emissivity, at 1100, 1300 & 1500°C.	±10°C	£240.00
CAL UKAS RH01	3 Point Certificate, Relative Humidity Instrument and Probe, at 25, 50 & 75%Rh, at 23°C ±3°C.	±2.5% rh, ±0.5°C	£75.00
CAL UKAS RH02	5 Point Certificate, Relative Humidity Instrument and Probe, at 15, 25, 50 & 75, 85%Rh, at 23°C ±3°C.	±2.5% rh, ±0.5°C	£100.00
CAL UKAS RH03	2 Point Certificate, Relative Humidity Instrument and Probe, at 50 & 75%Rh, at 23°C ±3°C.	±2.5% rh, ±0.5°C	£65.00
CAL UKAS STD19	8 Range Certificate, Thermocouple Calibrator, Measure & Simulate mode on Type K, N & R, & mV ranges. (Type K; 0 - 1200°C, N: 100 - 1300°C, R: 400 - 1600°C, All at every 200°C. mV: 0 - 50mV every 10mV.)	Measure: K,N; ±0.5°C, R; ±1.6°C, mV; ±0.015mV Simulate: K,N,R; ±0.5°C, mV; ±0.02mV	£100.00

\* All uncertainties ±LSD (Least Significant Digit) of instrument display.

Note for RTs (Resistance Thermometers): Min. Immersion 100mm for temperatures up to 200°C, and 150mm for temperature up to 300°C.

Note for T/Cs (Thermocouples): Min Immersion 200mm for temperatures up to 1100°C, and 500mm for temperatures above 1100 to 1600°C.

