

calibration services and equipment



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In addition to the in-house production of temperature sensors we offer a full range of Calibration and Testing Services. Our in-house laboratory was initially introduced to test and verify the accuracy of the temperature sensors we manufacture. Due to high demand for our calibration services, our lab has been extensively expanded over the last 24 months to include the scope of pressure and humidity instrumentation. We have an ongoing improvement schedule for the laboratory and are aiming to have our laboratory process UKAS accredited.

We offer an extensive range of very cost-effective calibration/testing services, normally with a quick 1-2 day turnaround.

Each product tested is provided with a unique serial number that is cross-referenced to the calibration report containing the test results.

Our Scope of Services		
Temperature	°C, °F, K	Temperature -40...+1150°C Infrared Temperature (Black Body) +50...+500°C Temperature Simulation (Thermocouple, RTD & Resistance)
Pressure	psi, bar, kPa, atm, mbar, kg/cm ² mmHg, inHg, inH ₂ O, MPa	-0.8...15 bar: psi, bar, kPa, atm, mbar, kg/cm ² , mmHg, inHg, inH ₂ O 15...700 bar: psi, bar, kPa, MPa, atm, mbar, kg/cm ² , mmHg, inHg, inH ₂ O
Voltage	mVdc, Vdc	Signal Voltage Simulation and Measurement: 0-10mV, 0-20mV, 0-1V, 0-5V, 0-10V
Current	mA	Current Simulation and Measurement: 0-20mA, 4-20mA
Humidity	%RH	Fixed point Salt Saturation Chambers, 33% and 75% Environmental Chamber 10%...98% RH

Sensors and Instruments

- Resistance Thermometers (Pt100, Pt1000, Pt130)
- Thermocouples (Types K, J, T, N, E, R, S & B)
- Hand-held Temp. Indicators (with or without sensor connected)
- Temperature Transmitters (4~20mA, 0~10V etc.)
- Pressure Gauges
- Pressure Transmitters & Transducers (4~20mA, 0~10V etc.)
- Infrared Thermometers
- Temperature & Humidity Transmitters (4~20mA)
- Bi-Metal Analogue Dial Thermometers
- Temperature Controllers
- Humidity Sensors
- Data Loggers

Traceability

All of our test equipment is certified by independent UKAS (or national equivalent) accredited laboratories. Certificates are available on request.

UKAS Certification

If you require a full UKAS certificate for your equipment please contact us to discuss. We work very closely with a number of UKAS accredited laboratories and can offer favourable rates and usually quick turnaround times. We are working towards our in-house laboratory achieving UKAS accreditation.

Ex-stock options available to buy online: www.thermosense.co.uk/shop

