



Design Environmental offer calibration traceable to UKAS (currently applying for full UKAS accreditation) on all makes of climatic test chambers.

Signed certificates of conformance are issued with every calibration and a label affixed to the equipment showing the date and time the next visit is required.

Calibration can be carried out as part of a preventative maintenance contract or as a separate activity.

FREQUENCY

Depending on the utilisation of the equipment, calibration is recommended at least once per year, or preferably twice per year, but may be determined by company procedures.

CALIBRATION PARAMETERS

- **Temperature (°C)** Equipment: Platinum resistance thermometer PT100 or type K thermocouples and a high quality, digital, multi channel, data logger.
- **Humidity (%RH)** Equipment: Solid state, hand held, capacitive sensor and a high quality, digital, multi channel, data logger. Alternatively using calibrated "Humitrace" pots.



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- **Air velocity (m/sec, in/sec)**
Equipment: Hand held hot wire anemometer.
- **Light (lux) and solar radiation (W/m²)**
Equipment: Hand held digital light meter and GSI dome solarimeter in accordance with ISO 9060
- **Pressure (lbs/in², kg/cm²)**
Equipment: 4" absolute pressure gauges.

Because any calibration is only valid at the point where the measurement was taken, multiple levels are offered as an option. Most commonly four levels of temperature and humidity are employed, spread across the range of the chamber.

Multi point calibration is also offered to establish the distribution of temperature and humidity within the chamber. Nine points are most widely used for this purpose.

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Servicing of
Climatic Test Chambers