

# Temperature Certification

With all our XS portable thermometers we offer the opportunity to have your XS thermometer, together with your XS temperature probe, certified by an ISO 17025 accredited laboratory according to EA-4/02. This means that your meter will be traceable to international standards and will suffice with regulations such as HACCP, ISO etc.

Order code	Description	Certification points	Temperature range
21005999	Type A) Temperature Certification with certificate from accredited laboratory.	3 points positive	0 to +100 °C.
21005989	Type B) Temperature Certification with certificate from accredited laboratory.	4 points positive	0 to +100 °C.
21006039	Type C) Temperature Certification with certificate from accredited laboratory.	3 points positive	0 to +600 °C.
21006009	Type D) Temperature Certification with certificate from accredited laboratory.	3 points positive	0 to +1100 °C
21006059	Type E) Temperature Certification with certificate from accredited laboratory.	3 points (1 point negative + 2 points positive)	-40 to +600 °C
21006019	Type F) Temperature Certification with certificate from accredited laboratory.	4 points positive	0 to +1100 °C
21006029	Type G) Temperature Certification with certificate from accredited laboratory.	5 points positive	0 to +1100 °C

You have the choice of the amount of certification points and the certification values you want depending on the thermometer and temperature probe combination.

For example: You order a XS TEMP70 thermometer together with a PT56L 1/5DIN temperature probe.

The certification range for this probe is -50 to 300 °C. So you can choose for example certification Type E with certification points at -25, 100 and 250 °C.

For certification temperatures higher than 400 °C it is recommended to use only 3K350 (max.800°C) or 3K650 (max.1000°C) Thermocouples

The expected uncertainty for the complete temperature measuring set are:

With Pt 100: 0,05 ÷ 0,06 °C

With Thermocouple K: 0,3 ÷ 1,5 °C

With Thermistor NTC: 0,3 ÷ 0,4 °C

Certification for Data loggers is also possible. On request certification for equipment from other manufactures will be possible.

In the purchase orders specify the calibration temperatures and customer data to be shown on the certificate to ensure rapid delivery times, delivery of the instrument with certificate in 14 days

Specifications of our thermometers and probes can be found in our brochure "Portable thermometers".

