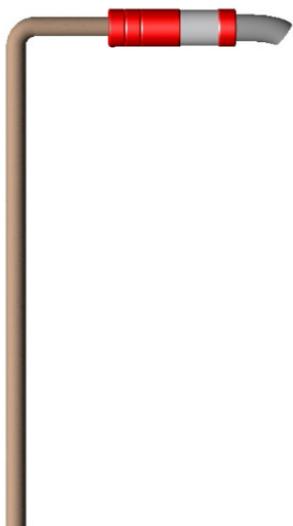


EP-E194 Industrial reference thermometer angled

Angled reference thermometer for measuring external reference temperatures as a temperature standard for temperature block calibrators.

Pt100: -100 °C to 250 °C



- 90° angled The reference thermometer is angled at 90°. This creates space for calibrating larger designs such as e.g. B. transmitter heads, thermometers with larger handles or flanges for installation
- Stable Pt100 temperature sensors Use of highly stable and aged high-temperature Pt100 measuring resistors

Calibration

The angled reference thermometer is best calibrated together with the temperature block calibrator. An individual characteristic of the angled reference thermometer can be programmed into the temperature block calibrator.



Technical Data

Model	eXacal EP-E194
Temperature range	-100 °C to 250 °C
Nominal resistance	Pt100 (100 Ohm)
typical annual drift	2,5mk
Connection type	Four-wire
Connecting cable	temperature resistance – very low EMF stranded wires from own production
Connection	depending on configuration
Sheath material	Metal
Thermometer wire	silver
Dimensions	
Handle	Ø12mm x 40mm
diameter	4mm
Immersion depth	200 mm
Length from handle	50 mm
Connection cable	750 mm
Detector	
R0	100 Ohm ± 0,05 Ohm
Alpha	0,003850 ± 0,000005
Standard	IEC 60751:2008
tolerance	1/10 DIN
length	25 mm
recommended measuring current	1mA
Self-heating	4mK
DAkkS calibration	
Comparison calibration	10 mK to 40 mK