

## 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

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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**

<b>Model</b>	<b>eXacal EP-E194</b>
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
<b>Dimensions</b>	
Handle	∅12mm x 40mm
diameter	4mm
Immersion depth	200 mm
Length from handle	50 mm
Connection cable	750 mm
<b>Detector</b>	
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
<b>DAkS calibration</b>	
Comparison calibration	10 mK to 40 mK