

# High-precision immersion/penetrati on probe (Pt100)

In conjunction with an appropriate temperature measuring instrument - e.g. the testo 735 - the high-precision immersion/penetration probe can achieve a system accuracy of 0.05 °C at a resolution of 0.001 °C.



## Technical data

### Temperature - TC Type K (NiCr-Ni)

Measuring range	-80 to +300 °C
Accuracy	±(0.1 °C + 0.05 % of mv) (-40 to -0.001 °C) ±0.05 °C (0 to +100 °C) ±0.3 °C (-80 to -40.001 °C) ±(0.05 °C + 0.05 % of mv) (100.001 to 300 °C)
Reaction time	60 s

### General technical data

Diameter probe shaft	4 mm
Fixed cable	yes
Length probe shaft	295 mm

### Delivery Scope:

High-precision immersion/penetration probe (Pt100) with fixed cable including calibration protocol.

### Pt100 sensor for highly accurate measurement results

Potential system accuracy of 0.05 °C at a resolution of 0.001 °C (depending on the measuring instrument connected)

Optional calibration to ISO or DAkkS possible

Measuring range: -80 to +300 °C

High-precision temperature measurements pose no problem for this immersion/penetration probe with Pt100 sensor. Combined with a suitable Testo temperature measuring instrument, such as the testo 735, its system accuracy is so high that the measurement system can also be used as a working standard. The probe is ideal for applications in quality assurance, for calibration services and in laboratories.