

# PT100D

## Digital Temperature Probe

The PT100 high quality probe family uses a highly stable and accurate platinum sensing element. Waterproof construction and used materials ensure long-term reliability in extreme environmental conditions.



SDI-12 interface



Waterproof construction



Long-term reliability in extreme environmental conditions



Low power consumption

### Technical parameters

Accuracy	±0.1 °C
Resolution	0.001 °C
Upgrade to ISO 17025 accredited calibration	optional

### Environmental and technical

Operating temp. range	-40 °C to +70 °C
Storage temperature range	-50 °C to +70 °C
Operating humidity range	0 to 100 %
Protection rating	IP68
Certified	CE
EMC compliance	EN 61326-1997, 98, 2001

### Power supply

Power supply	6 to 17 V DC
Power consumption during measurement	approximately 4 mA
Power consumption during power down mode	approximately 3 µA

**Factory calibration**

Calibration point [°C]	Typical uncertainty U [°C]
-40	0.06
-30	0.06
-20	0.06
-10	0.06
0	0.06
10	0.06
20	0.06
30	0.06
40	0.06
50	0.06
60	0.06