

Pt 100 Temperature Probe



Sturdy temperature probe made from V2A steel, length 18 cm or 40 cm.

Measuring method	Resistive
Measuring range	0~100 °C
Accuracy	± 0.1 %
Response time	< 2 min
Operating pressure	0~10 bar
Sample temperature	-20~100 °C
Plug	Open cable or SB plug
Material	Stainless steel 1.4301
Dimensions	400 mm × 12 mm, 180 mm × 12 mm

Pt 100/18 product code 734 010

Pt 100/40 product code 734 030

○ Sturdy

○ Long-term stable

○ Maintenance-free

Method

The electric resistivity of metals depends on the temperature. If the temperature-resistivity-relationship of a material is well-known, it can be used for a resistance thermometer. Platinum resistors exhibit superior properties and are therefore used widely for this purpose. The temperature is then calculated from the measured resistance.

Applications

Drinking water

Surface water

Process water

Cooling lubricants