

Pt100 sensor Fluid temperature

Model 7908000

Construction

Pt100 resistor element mounted in body of copper with contact surface suited for the tube diameter. Outer housing to minimize thermal losses.

Installation without penetrating the tube wall.

Sensor can easily be demounted including copper body for purposes such as calibration.

Example of use

Measuring fluid temperature in pharmaceutical and food industry.

Maximum temperature

Probe & housing: 130 °C
Cable: 180 °C

Probe

Resistor: Pt100
class A (IEC 60751)

Material protection tube: EN 1.4435

Encapsulation class: IP65

Part number and dimensions

Part no	Ø D Tube diam.	L
7908001-001	12 mm	5000 mm
7908001-002	18 mm	5000 mm

For other dimensions please contact Pentronic.

Housing

Material: Acetal plastic (white)

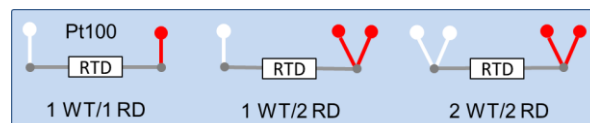
Process connection

The housing halves are clamped by two M5 screws.

Signal connection

Silicon insulated cable TEXSITW 4 x 0,22 mm².

2, 3 or 4 wire connection according to image.



Certificate

Test result: Certificate according to EN10204 3.1