



Pt100 sensor For steam chambers (autoclaves)

Design

Pt100 detector mounted in protection tube with cannula-like (injection needle) probe tip. The transition to cable is sealed with silicon and silicon hose. All designs with \varnothing 3.0 mm probe diameter.

Example of use

Temperature measurements of goods and atmosphere in steam chambers (steam autoclaves).

Maximum temperature

Probe: 180 °C
Cable: 180 °C

Sensing element

Pt100 detector, IEC60751 class A. Single or dual.

Protection tube

Material, probe: Stainless steel EN 1.4435.
Material, transition fitting: Stainless steel EN 1.4404. Angled or straight probe design.

Signal connection

4-wire connection according to table below.
Silicon sheathed cable type TEXSITW.

Certificate

Test value: Certificate, EN10204 3.1
Test temperatures: 0 °C and 100 °C.

Table 1

Part number	Weight (kg)	Probe design	Measuring circuits	Signal cable type Lead area (mm ²)	Connector
5524671-001	0.5	Angled	Double	TEXSITW 8x0.25	Stripped wires
5524675-001	0.5	Straight	Double	TEXSITW 8x0.25	Stripped wires
5524678-001	0.3	Angled	Single	TEXSITW 4x0.25	4-pole AMP
5524680-001	0.3	Straight	Single	TEXSITW 4x0.25	4-pole AMP

Table 2

Part number from table 1	Equivalent construction
5524671-001	7917005-001
5524675-001	7917006-001
5524678-001	7917001-001
5524680-001	7917002-001

Compatibility

The sensors included in this data sheet have equivalently constructed sensors shown in the second column of table 2. The only difference is that the sensors of the first column are calibrated also at 100 °C. See Certificate above.