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EPIC® SENSORS W-63 or 2xW-63
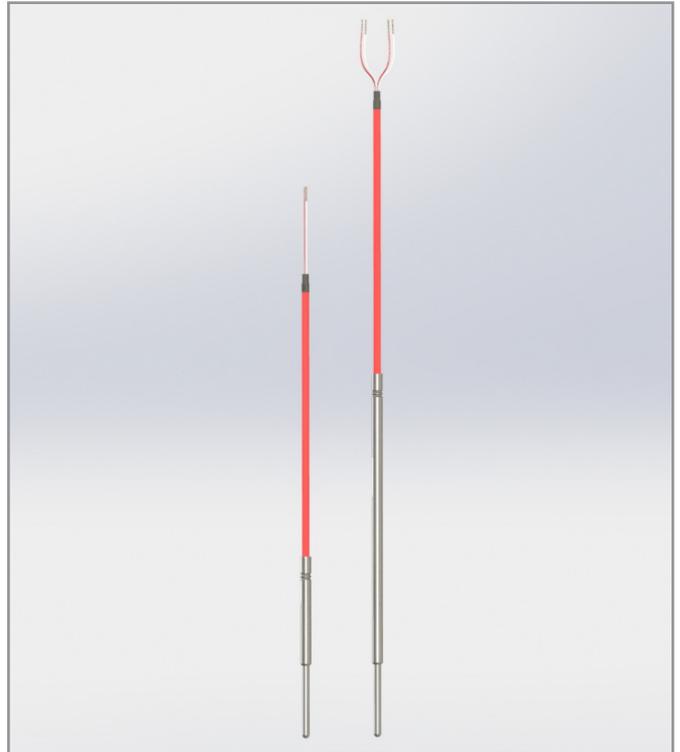## Autoclave temperature sensor with cable

Features

- temperature range *⁾ -60...+180 °C
- suitable for autoclaves and steam chambers
- medical grade components
- material AISI316/AISI 316L
- Pt100, accuracy class A as standard delivery
- sensor type W-63 available with M12 connector (5 poles, 4 signal and 1 ground)
- EMI shielded cable
- 3D step models available on request.

Typical applications

- autoclaves
- sterilization devices
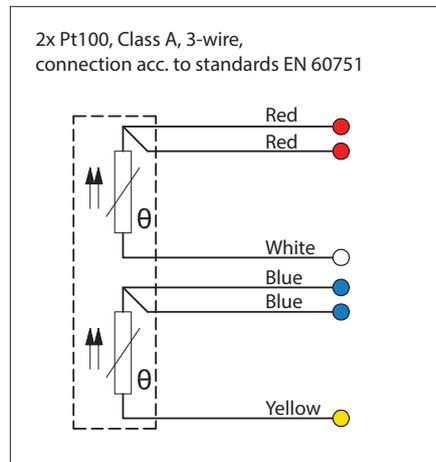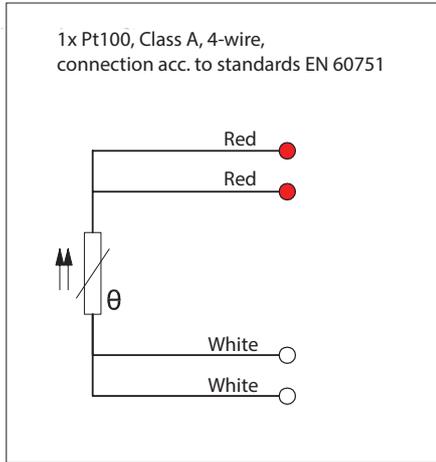- steam chambers
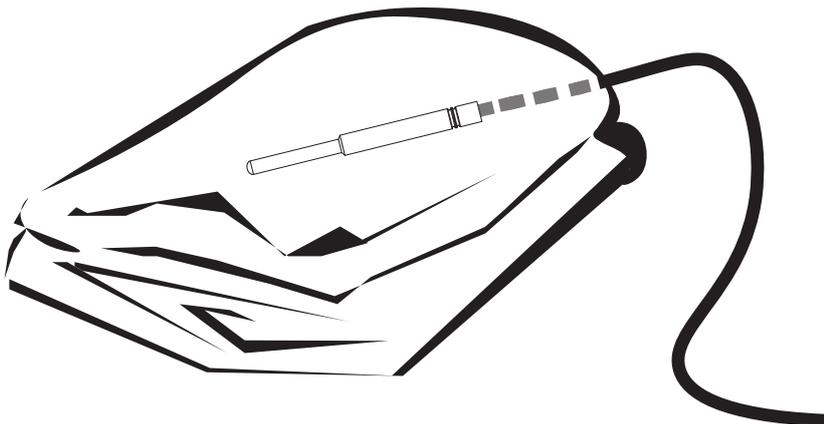- manufacturing industry.

Technical data

*⁾ **Materials**	AISI316/AISI 316L, maximum temperature +180 °C,
Surface roughness	Ra = 0,6 µm
*⁾ **Cable material**	FDS = FEP wire insulation/braid shield/silicone jacket, max. +180 °C (medical grade silicone)
Tolerances Pt100 **(IEC 60751)**	AA tolerance ±0.1 + 0.0017 x t, operating temperature -50...+250 °C A tolerance ±0.15 + 0.002 x t, operating temperature -100...+450 °C B tolerance ±0.3 + 0.005 x t, operating temperature -196...+600 °C B 1/3 DIN, 0.1 °C +0.5%, B1/10 DIN 0.03 °C +0.5%, operating temperature -196...+250 °C
*⁾ **Temperature range**	-60...+180 °C
Quality certificate	ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 issued by DNV
IP rating	IP65, higher IP rating on request

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Pt-100 connections

1x Pt100, Class A, 4-wire,
connection acc. to standards EN 60751

Red
Red

θ

White
White

2x Pt100, Class A, 3-wire,
connection acc. to standards EN 60751
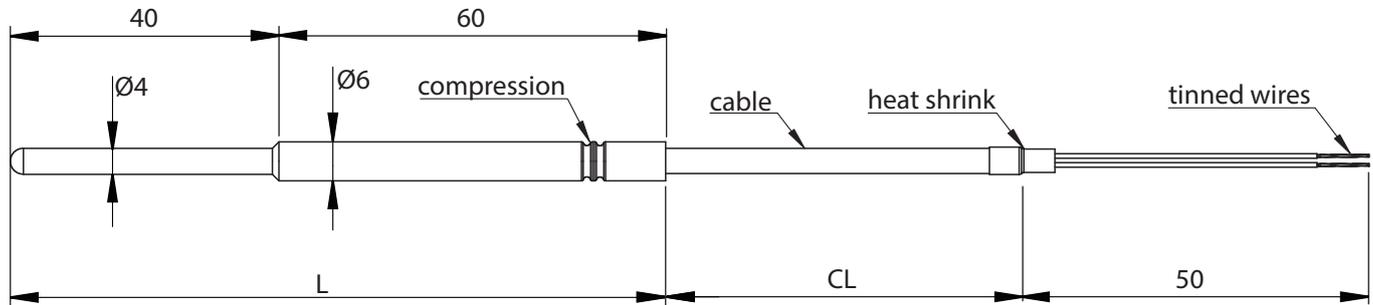
Red
Red

θ

White
Blue
Blue

θ

Yellow

Installation example

EPIC® SENSORS W-63 or 2xW-63
Autoclave temperature sensor with cable

Drawing

Product code key

Example code: W – 63 – 100 – 5000 / FDS – 4 – A – X

W	= Pt100 resistance temperature sensor
2xW	= 2 x Pt100 resistance temperature sensor
63	= autoclave sensor (constant in code)
100	= length of sensor element, L [mm]
5000	= cable length, CL [mm]
FDS	= cable material (for more information, look technical data on first page of the datasheet)
4,3	= Pt100 wire count
A,B	= Pt100 accuracy class, (class A as standard delivery)
X	= additional details on the text line