

EPIC® SENSORS

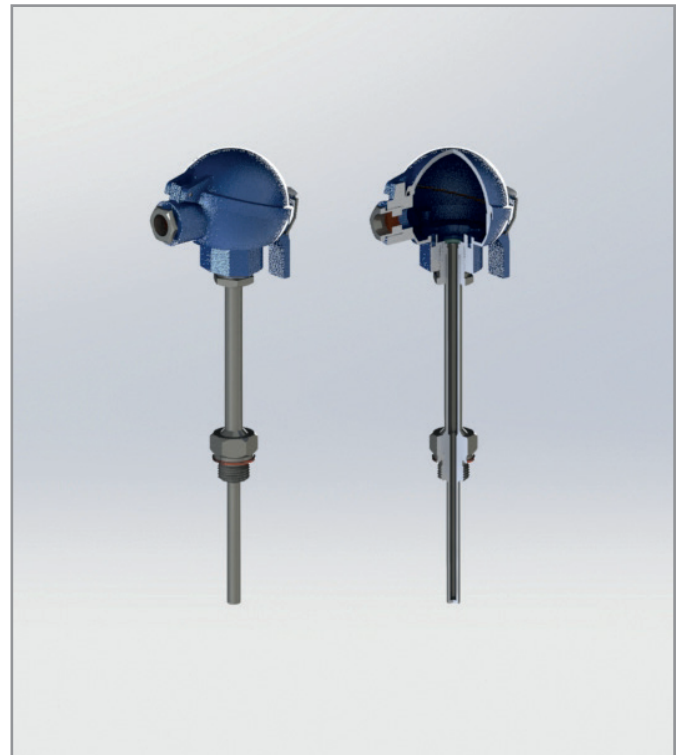
Threaded thermowells with cooling neck

Features

- according to DIN 43772 form 2G
- fitted to application with thread, no welding required
- neck pipe, also known as cooling neck, for heat source clearance
- used in applications where heat sensitive electronics, mainly transmitters, need clearance from heat source
- neck pipe length typically 145 mm
- allows separate insulator layer to be used between connection head and heat source
- thermowell material according to the application
- used to house mineral insulated temperature sensor element
- allows easy replacement of sensor element, without interrupting the process
- gable gland for max Ø14 mm cable
- ATEX compatible Ex db version available
- 3D step models available on request.

Typical applications

- energy and power plant technology
- process industry
- chemical industry
- machinery and vessel construction
- manufacturing industry.



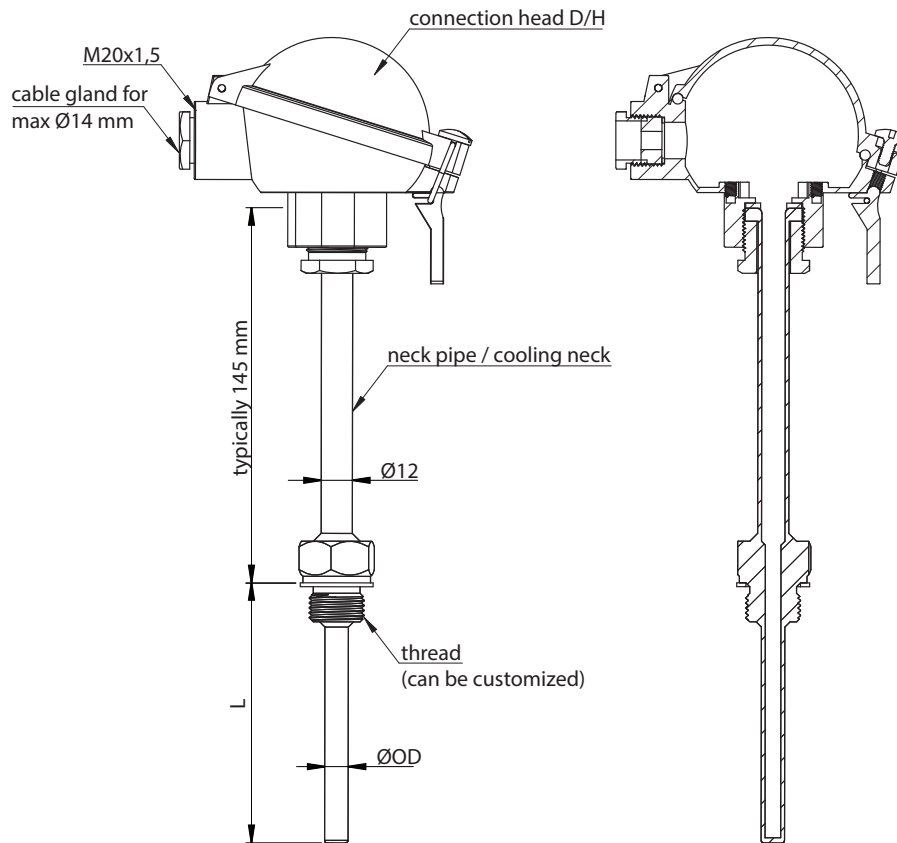
Technical data

Materials	AISI 316L, maximum temperature +550 °C, temporarily +600 °C, Other materials on request
Thread	G, R, metric and NPT, Other threads on request
Diameter	Ø6 mm, Ø9 mm or Ø11 mm, Other diameters available on request
Neck pipe diameter	Typically Ø12 mm, Other diameters available on request
Temperature range	Neck pipe length = 250 mm → maximum temperature +750 °C, Neck pipe length = 300 mm → maximum temperature +1000 °C, Neck pipe length = 350 mm → maximum temperature +1200 °C, Note: maximum temperature will be limited by the type of thermocouple insert used
Approvals	ATEX, IECEx, EAC Ex, EAC EMC, METROLOGICAL PATTERN APPROVAL
Quality certificate	ISO 9001:2015 issued by DNV-GL
IP rating	IP65, higher IP rating on request

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Drawing



Product code key

Example code: B — 9 — D/H — 100 — G½" — X

B	= thread in thermowell (constant in code)	↑
6, 9, 11	= thermowell outer diameter (ØOD) [mm] other diameters on request	↑
B	= connection head B	↑
D/H	= connection head with snap lock	↑
D/H/D	= connection head with snap lock and double barrel (2x cable gland)	↑
D/W/H	= high cover connection head with snap lock	↑
D/W/H/D	= high cover connection head with snap lock and double barrel (2x cable gland)	↑
EXD	= ATEX-compatible connection head	↑
HST	= acid proof connection head	↑
N	= connection head N	↑
100	= length, L [mm]	↑
G½"	= thread size (all available, also NPT)	↑
X	= additional details on the text line	↑