

EPIC® SENSORS

Immersible thermowells

Features

- immersion depth can be adjusted when installed with gas-tight threaded couplings or adjustable flanges
- used to house mineral insulated temperature sensor element
- allows easy replacement of sensor element, without interrupting the process
- available as solid tip version with thicker tip material, for more wear resistance
- gable gland for max Ø14 mm cable
- ATEX compatible Ex db version available
- special coatings available to increase wear and heat resistance
- 3D step models available on request.

Typical applications

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

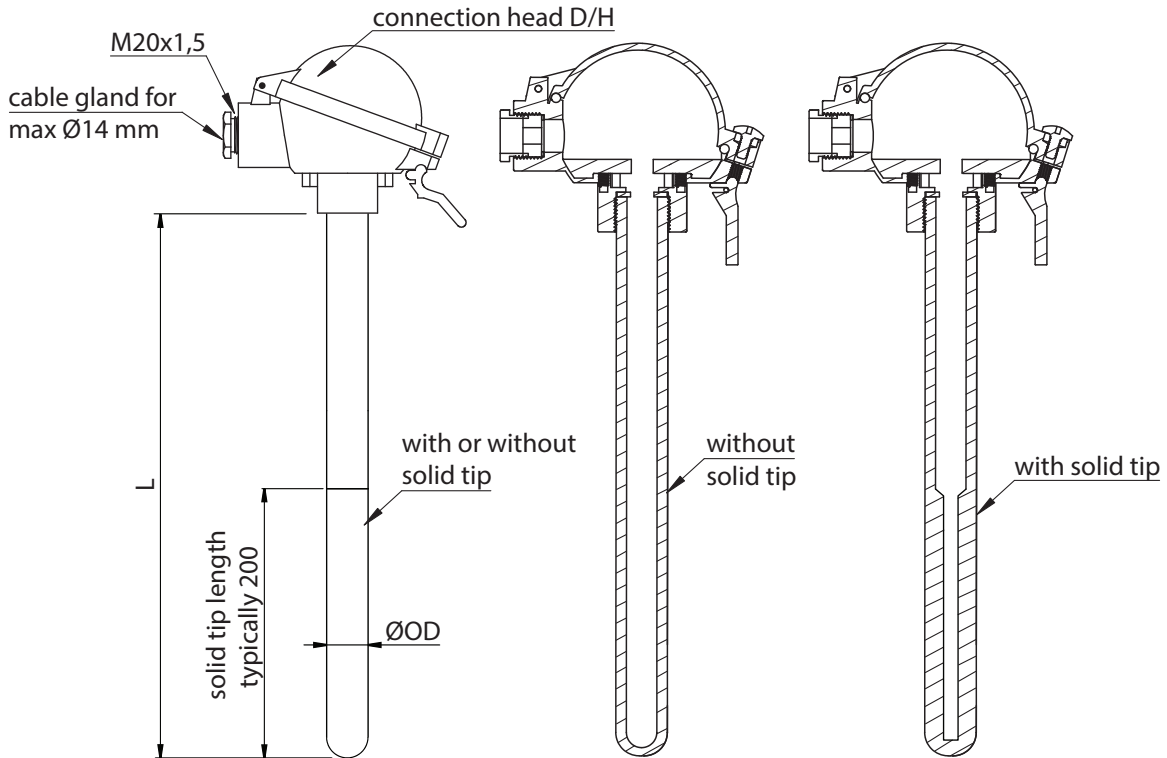


Technical data

Materials	AISI 316L / EN1.4404, max. temperature +550 °C, temporarily +600 °C, AISI 446-1 / EN1.4749, max. temperature +1100 °C, temporarily +1200 °C Other materials available on request
Diameter	Ø10 mm or Ø22 mm, Other diameters available on request
Approvals	ATEX, IECEx
Quality certificate	ISO 9001:2015 and ISO 14001:2015 issued by DNV
IP rating	IP65, higher IP rating on request
Special coatings	FEP - known as a fluoropolymer, good for low temperature, exhaust gases and various acids, resistant to sunlight PFA - very similar to FEP, slightly better thermal stability and higher temperature resistance than FEP METCO - hardmetal coating especially for applications where sensors are exposed to grinding like crude oil pipes (sand/stones), rock wool blasting, etc. HALAR - for anticorrosion applications DIAMALLOY - corrosion protection with hard surface Other coating materials available on request

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Drawing



Product code key

Example code: A — 22 — D/H — U / 1000 / 1.4749 — X

A	= immersible thermowell type (constant in code)	↑
10, 22	= outer diameter of thermowell (ØOD) [mm]	↑
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	
empty	= without solid tip	
U	= with solid tip (tip length typically 200 mm)	↑
1000	= length, L [mm]	↑
empty	= thermowell material AISI 316L / EN1.4404	
1.4749	= thermowell material AISI 446-1 / EN1.4749	↑
X	= additional details on the text line	↑