Thermowell materials
- AISI 316L, maximum temperature +550 °C, temporarily +600 °C
- EN1.4841 heat-resistant steel, maximum temperature +1100 °C, temporarily +1200 °C
Other materials on request

Flange
- Flat face DIN EN 1092-1, type 05A, other flange types on request

Tolerances Pt100 (IEC 60751)
- 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, tolerance ±1/3 x (0.3 + 0.005 x t), operating temperature -196...+600 °C
- B 1/10 DIN, tolerance ±1/10 x (0.3 + 0.005 x t), operating temperature -196...+600 °C

Tolerances thermocouple (IEC 60584)
- Type J tolerance class 1 = -40...375 °C ±1.5 °C, 375...750 °C ±0.004 x t
- Type K and N tolerance class 1 = -40...375 °C ±1.5 °C, 375...1000 °C ±0.004 x t

Temperature range Pt100
- -200...+1200 °C, depending on thermocouple type and cooling neck length
- Neck pipe length = 250 mm → temp. max. +750 °C
- Neck pipe length = 300 mm → temp. max. +1000 °C
- Neck pipe length = 350 mm → temp. max. +1200 °C

Approvals
- ATEX, RU Ex, EAC, METROLOGICAL PATTERN APPROVAL

Quality certificate
- ISO 9001:2015 issued by DNV

IP rating
- IP65, higher IP rating on request
**Pt100 connections**

1x Pt100, Class A, 3-wire, connection acc. to standards EN 60751

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

2x Pt100, Class A, 4-wire, connection acc. to standards EN 60751

**Thermoelement connections**

Thermocouple, Type J, Class 1, Acc. to standard EN 60584-1

Thermocouple, Type K, Class 1, Acc. to standard EN 60584-1

Thermocouple, Type N, Class 1, Acc. to standard EN 60584-1

**Installation examples**

[Images of installation examples]
EPIC® SENSORS T-F / W-F
Flanged temperature sensor

Drawing

Product code key


Connection heads