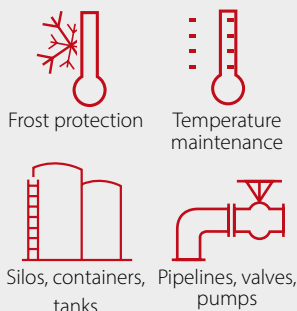




At a glance

Applications



- › Potentially explosive areas
- › Power plants
- › Chemical industry
- › Pharmaceutical industry
- › Building technology

Advantages

- › Easy & reliable handling
- › Optimally coordinated with eltherm controller program
- › High temperature resistance

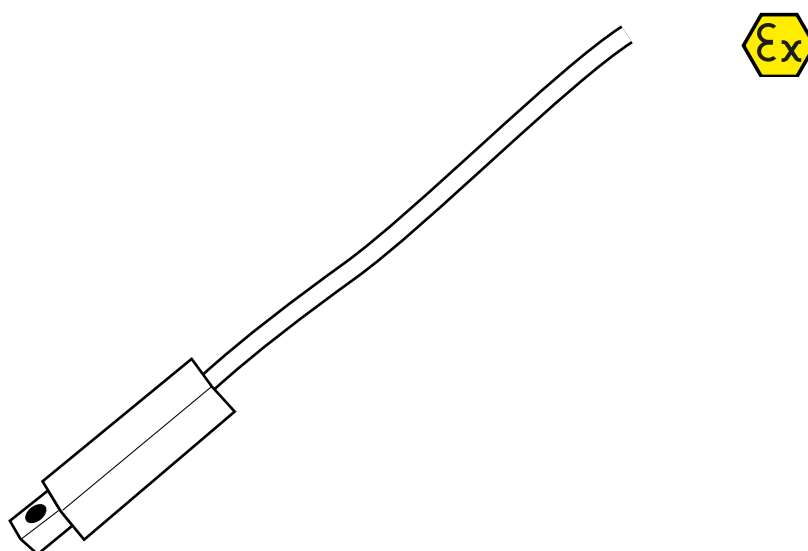
Approvals



- › II 2G Ex eb IIC T6...T2 Gb
- › II 2D Ex tb III C TX Db
- › IIBExU04ATEX1004X
- › IECEx IBE 12.0002X
- › CML 21UKEX3953X
- › S-XPL/15.1339 X
- › 14-KB4BO-0265X /-0267X
- › NCC 15.0223 X
- › RU C-DE.AA87.B.00999/22
- › 2021322315004188

ELTF-PTE_x

Temperature sensor



The eltherm Pt100 temperature tracers are suitable for various applications and temperatures. All temperature tracers are an optimum and perfect addition to eltherm temperature controllers and temperature limiters.

Our products have a long service life, even under demanding application conditions. ELTF-PTE_x temperature tracers are suitable for use in potentially explosive areas.

Checklist

Junction box

ELAK-Ex-2.80	110 x 75 x 57 mm, Polyester, IP66, 1 Pt100, 2 - 4 wire	0X85280
ELAK-Ex-4.80	122 x 120 x 90 mm, Polyester, IP66, up to 2 Pt100, 2 - 4 wire	0X85480
ELAK-Ex-R8	ø 154.5 x 125 mm, up to 2 Pt100, 2 - 4 wire	0X80078
Ex-It-R-ELTF	ø 154.5 x 125 mm, up to 2 Pt100, 2 - 4 wire incl. Mounting base	0X80092

Technical Specifications

Type	ELTF-PTE _x .2	ELTF-PTE _x .4
Sensor type	Pt100 4-wire	Double-Pt100 3-wire
Dimensions sensor sleeve	6 x 6 x 46 mm / Hole 4.1 mm	6 x 6 x 46 mm / Hole 4.1 mm
Sensor sleeve Material	1.4301	1.4301
Dimensions protective bracket	37 x 12 x 8 mm	37 x 12 x 8 mm
Material of protective bracket	1.4301	1.4301
Length of connecting cable	3.0 m	3.0 m
Sheath of connecting cable	PTFE	PFA
Colour of connection cable	white	white
Cross-section of single wires	4 x 0.14 mm ²	6 x 0.14 mm ²
Insulation of single wires	PTFE	PFA
Colour of single wires	red-red-white-white	red-red-white, blue-blue-gray
Shield	Copper braid, nickel-plated PVC-strand 1 x 0,37 mm ² green / yellow	Copper braid, nickel-plated PVC-strand 1 x 0.37 mm ² green / yellow
Operating temperature sensor sleeve	-45 up to +235 °C	-45 up to +235 °C
Operating temperature connecting cable	-45 up to +235 °C	-45 up to +235 °C
Protection class	IP 65	IP 65
Tolerance	DIN IEC 60751 "B"	DIN IEC 60751 "B"
Pull-out force	min. 100 N	min. 200 N

Maximalwerte

T-class	max. measuring voltage	max. operating temperature	max. measuring current
T6	1.3 V	80 °C	10 mA
T5	1.3 V	95 °C	
T4	1.5 V	130 °C	
T3	1.7 V	195 °C	
T2	1.7 V	235 °C	

Ordering Information

Type	Item-No.
ELTF-PTE _x .2	0X70002
ELTF-PTE _x .4	0X70030