Temperature probe Pt1000TG8Ex/E, ELKA connector, for ATEX zone II



code: SN263E

Multi-purpose watertight IP67 probe -80 to +200°C.

Temperature probes marked II3G Ex ec IIC T3 Gc and II3D Ex tc IIIC T60 °C... 230 °C Dc can be used in potentially explosive atmospheres - equipment group II, zone 2 and zone 22.

The probes operate on the principle of a defined dependence of the change of the sensor property on the change of the temperature. They are not able to generate sparks, arcs or high surface temperatures. The temperature range for use in potentially explosive atmospheres is limited to a maximum temperature of +180 °C (the measuring range must not be exceeded even for a short time). The probes are designed for operation in a chemically non-aggressive environment, the method of use must be chosen with regard to the temperature and chemical resistance of the housing and the supply cable.

The manufacturer issues an EU Declaration of Conformity. The design of the probe is certified due to the certificate FTZÚ07 ATEX 142X.

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +180 °C
Accuracy	± (0.15 + 0.002 ltl) at °C
Accuracy class	A
Time response	t0.5 <5 s (in flowing water at > 0.2 m/s)
Type of sensing element	Pt1000
Temperature coefficient	3850 ppm / °C
GENERAL TECHNICAL DATA	
Wire connection	2-wire connection
Material of the case	stainless steel DIN 1.4571
Dimensions of the case	length 60 mm; diameter 5.7 ± 0.1 mm
Lead-in cable	silicone shielded
Length of lead-in cable	1 meter
Connector	ELKA
IP protection	IP67
Warranty	30 months