

TEMPERATURE SENSORS WITHOUT ADDITIONAL PROTECTION TUBE TYPE CT X

- ✓ RTD (Pt100, Pt1000) and TC sensors
- ✓ ATEX Exia certificate

Features

Temperature sensors CT X are offered as Pt100/Pt1000 resistance thermometers or thermocouples.

In resistance sensors (RTD) platinum resistors change their electrical resistance as a function of temperature. RTD, the most commonly used sensors in industry, are suitable for applications between -200...+600°C. The accuracy class A is available with a tolerance acc. to IEC60751.

Thermocouples are made of two different conductors joined at the end. The temperature difference between junction, placed in measuring point (hot junction), and wire ends (cold junction), generate voltage proportional to the difference of temperature between these junctions. The accuracy class 1 is available with tolerance acc. to IEC60584.

Description

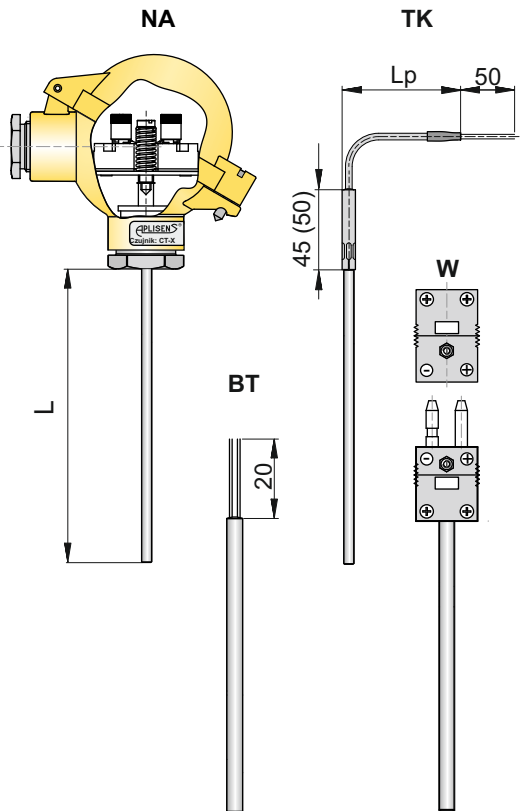
Temperature sensors model CT X are offered without additional protection tube. Small diameters and flexibility of process part allow for assembling in not easily accessible places.

Sensors are suitable only for non-aggressive or abrasive liquids and gases. Usually are mounted directly into the process. Sensors can be mounted also into thermowells, in this case is recommended assembling with spring-loaded fitting or using transmission liquid.

Sensors are offered with various screwed connections of for insertion, with fitting elements like union nuts.

Typical application are:

- machine building
- temperature measurement in motors, bearings



Ordering procedure			
CTX			
	Diameter of sensor		
	3		3mm
	6		6mm
	Certificate		
	x		standard version, no certificates
	Exia //II		II 1/2 G Ex ia IIC T6...T1 Ga/Gb II 1D Ex ia IIIC T75°C Da
	Exia //I		I M1 Ex ia I Ma available with KO housing only
	Measuring element		
	Pt		Pt100
	2xPt		2xPt100
	K		TC type K
	2xK		2xTC type K
	Class of element		
	A/3 or B/2		TR sensor, Class A, 3 wires or class B, 2 wires
	A/4		TR sensor, Class A, 4 wires
	1/O		TC sensor, Class 1, ungrounded junction
	Length		
	L=		required length of immersion [mm]
	Process connection		
	x		Without threaded connection
	UG/G1/2"		Clamping grip G1/2"
	UG/1/2NPT		Clamping grip 1/2NPTM
	UG/G1/4"		Clamping grip G1/4"
	Electrical connection		
	BT		
	TK		
	W		
	NA		