



TSW, TST

Ex-Temperature Sensor:

The electric temperature sensor TSW, TST is sensitive to the surrounding temperature. The signal is dependent on the built-in resistance or thermocouple. Type must be given at ordering time and is fixed during the manufacturing phase.

The construction of the enclosure prevents the sensor from exceeding the maximum allowable surface temperature defined by the specified temperature class.

Resistance thermometers TSW and thermocouples TST can operate with secondary devices (measurement instruments, temperature controllers or transmitters with the output signal 4...20 mA).

Types:

Resistance Thermometer TSW:

1xPt100, 2-wire acc. to EN 60751 class B 1/3 DIN

1xPt100, 4-wire acc. to EN 60751 class B 1/3 DIN

2xPt100, 2-wire acc. to EN 60751 class B 1/3 DIN

Thermocouple Thermometer TST

Type J, Fe-CuNi acc. to EN 60584-2 class 1

Type K, NiCr-Ni acc. to EN 60584-2 class 1

Armoured cable or other options on request.

Marking:

Gas:	II 2 G Ex d IIC T4 / T3 Gb
Dust:	II 2 D Ex tb IIIC T135°C / T200°C Db
EC Type Examination Certificate:	EPS 15 ATEX 1042
IECEXCertificate:	IECEX EPS 15.0056
EAC Ex Certificate:	RU C-DE.EX01.B.00032/19

Technical Data:

Maximum Voltage:	30VDC
Maximum Power:	3W
Connection Cable:	Silicon cable 3x2,5 mm ² , 3 m
Weight:	app. 0,6 kg
Ambient Temperature:	T4: -60°C - +80°C / T3: -60°C - +140°C
Operating Temperature:	T4: -60°C - +120°C / T3: -60°C - +180°C
Degree of Protection:	IP 68
Enclosure:	Aluminum, saltwater-proof

