IR2PT100Ex3CF

PT100 temperature sensor for use in hazardous area.

Temperature Sensor Ex

- Compact design
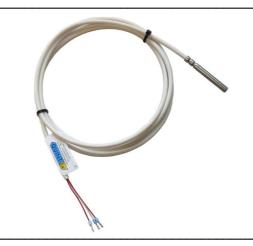- Very flexible in use
- Various cable lengths available

- 3-wire design
- Measurement range up to 220°C
- High resistance to chemicals

Description

The IR2PT100Ex3CF temperature sensor is very flexible in use thanks to its PFA insulated connection cable.

Because of the short 50mm sensor bulb the IR2PT100Ex3CF can be easily attached to almost any measurement point.

The large measurement range of -50 °C ... + 220 °C also enables a broad range of applications.

Technical Data

Rated Voltage:	max. 60V
Rated Current:	max. 5mA
Measurement Range:	-50°C…+220°C
Sensor Diameter/ Length:	6mm/50mm
Material Outerjacket:	PFA
Cross Section:	0.22mm² (Nickel Plated Copper Wire)
Cable Length:	2,0 / 5,0 / 10,0m
Measurement System:	3-Wire (2 and 4 wire upon request)

Marking

$\langle Ex \rangle$ II 2G Ex e IIC T6…T1Gb
$\langle Ex \rangle$ II 2D Ex tb IIIC T85°C…T220°C Db IP68

Approval

ATEX

Ordering Information

Part number:
IR2PT100Ex3CF 2M0: with 2m PFA cable
IR2PT100Ex3CF 5M0: with 5m PFA cable
IR2PT100Ex3CF 10M0: with 10m PFA cable

Alternative Products

Part number:
IRPT100:   PT100 temperature sensor for use in non-hazardous area

Further Products

AG 99 Ex: Ex-junction box for 1-2 temperature sensors
IRE168DS: Electronic control unit 16A+8A relay, 4-20mA output (for non-hazardous area)

Further Information

Please consult the installation instructions!