

Temperature Probe TP-02

Description

The fibre optic Temperature Probe TP-02 is a ruggedized temperature sensor which can be used either in a single ended as well as in a series configuration. The sensor is housed in a stainless steel tube with a connector at one or at both ends.

Features

- Temperature sensing for single ended or serial configurations
- High accuracy
- Watertight and ruggedized housing, applicable in harsh environments
- Embeddable in concrete



Applications

High accuracy temperature sensing in a fibre optic sensing network for various purposes. Applicable both indoors as well as outdoors.

Standard specifications

Parameter	Value
Temperature resolution ¹	0.05°C
Temperature precision ¹	0.1°C
Temperature range ^{2,3}	-20 °C to +80 °C
Sensor length	11 cm
Housing diameter	6 mm
Housing material	SS316
Pigtail diameter	3 mm
Pigtail length ²	1.5 m
Pigtail material	LDPE
Connector type	FC/APC
Water tightness ³	IP68

¹ Taking into account a depolarized measurement device with a 1 pm wavelength resolution and precision.

² Extendable on request.

³ For the sensor, not for the connector. For the high temperatures, splicing is recommended.

⁴ Watertight at 10 bar for 12 hours.

Ordering information

Optional

Example:

T P 0 2 - 0 9 - 0 0 - F A - 0 0 - F A

Product	
TP-02	Temperature Probe

Nominal wavelength	
Standard	
01	1512 nm
02	1517 nm
03	1522 nm
04	1527 nm
05	1532 nm
06	1537 nm
07	1542 nm
08	1547 nm
09	1552 nm
10	1557 nm
11	1562 nm
12	1567 nm
13	1572 nm
14	1577 nm
15	1582 nm
16	1587 nm
Custom Contact sales department	

Connector type left	
Standard:	
FA	FC/APC
Custom: Contact sales department	

Connector type right	
Standard:	
FA	FC/APC
Custom: Contact sales department	

Pigtail length left	
Standard:	
00	1.5 m
Custom:	length in XX meters

Pigtail length right	
Standard:	
00	1.5 m
Custom:	length in XX meters