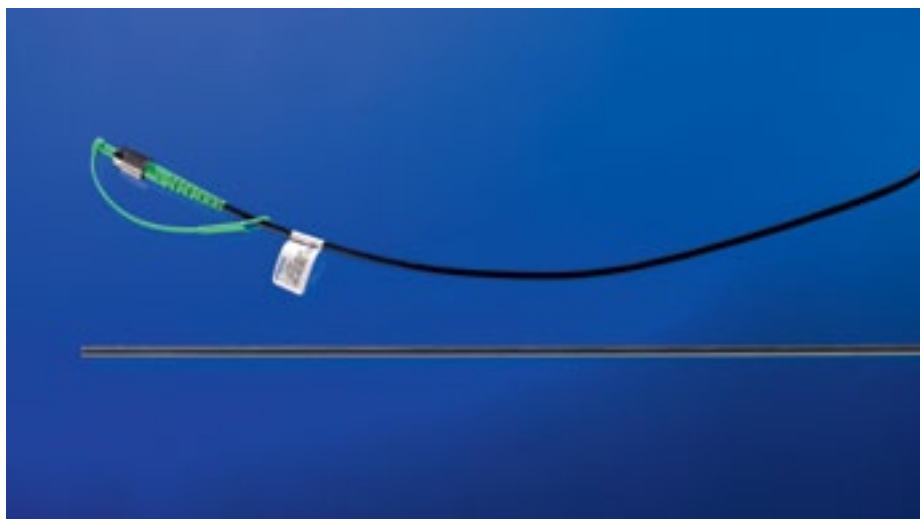


Temperature Probe TP-01

Fibre Bragg Gratings reinvented

Draw Tower Gratings (DTG[®]s) are produced during the drawing process of the fibre itself, before the primary coating is applied. This is a cost effective production process for high quality Fibre Bragg Gratings. This offers unique characteristics such as extremely high breaking strength, insensitivity to bending, spliceless array configurations and uniform coating coverage. FBG parameters and coating material can be selected based on customer needs.



Description

The fibre optic Temperature Probe TP-01 is a high precision temperature probe for use in a wide temperature range. It is a point-like probe housed in a stainless steel tube and with a connector at one end.

Features

- Wide temperature operating range: from 50°C up to 700°C
- High precision and excellent long-term stability
- Single ended configuration
- Watertight and ruggedized housing, for use in harsh environments

Standard specification

Parameter	Value
Temperature resolution ¹	0.1°C
Temperature precision ¹	5°C
Sensor temperature range ^{2,3}	50°C to 700°C
Sensor length ³	60 mm
Housing diameter	4 mm
Housing material	SS316
Pigtail diameter	3 mm
Pigtail length ³	1.5 m
Pigtail material	Steel armoured LDPE jacket
Connector type	FC/APC
Level of protection ⁴	IP67

¹ Using a depolarized measurement device with a 1 pm wavelength resolution and precision.

² For the probe only, not for the cable or connector.

³ Extendable on request.

⁴ For the sensor, not for the connector.



Ordering information

Example:

T	P	0	1	-	X	X	X	X
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Product	
TP-01	Temperature probe

Nominal wavelength	
Standard	
1510	1510 nm
1515	1515 nm
1520	1520 nm
1525	1525 nm
1530	1530 nm
1535	1535 nm
1540	1540 nm
1545	1545 nm
1550	1550 nm
1555	1555 nm
1560	1560 nm
1565	1565 nm
1570	1570 nm
1575	1575 nm
1580	1580 nm
1585	1585 nm
Custom : Contact sales department	

This product has been developed in the framework of a joint collaboration between the Belgian Science Policy and the Federal Public Service of Economy, SMEs, Independent Professions and Energy of Belgium.

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