

PTFE cable probe for use in aggressive media

Article no.: 803593 1011

The PTFE cable probe with the protection sleeve and the connecting cable made of PTFE can be used especially in aggressive media or if a high IP protection class (67) is required. To configure your cable temperature sensor perfectly and individually for your measuring task, simply select the required configuration features and send us the order code.




General Information	
Measuring range	-50 °C to +260 °C depending on sensor Type and connection cable
Measuring element	Pt100 Class A
Accuracy	dT = ±(0,15 °C + 0,002 t)
Connection Type	4-Wire
Response time	t63 / t99: information is available on request
Pull-out force	≥ 30 N
Supply and output	
Max. meas. current	max. 1 mA
Supply voltage	approx. 5 V depending on measurement current
Measurement signal	passive (resistance value)
Ambient conditions	
Protection class	IP67 according DIN 60529
Humidity and moisture condensation resistance	according to application-specific qualification
Certificates and Standards	
Standards	DIN EN 61326-1:2013 DIN EN IEC 63000:2019-05
Directive	RoHS 2011/65/EU 2014/30/EU
Certificates	Certificate of suitability (on request)

Customizable options
F-Length connection cable
G-Connector

Protection sleeve	
Material	PTFE
Length (mm)	60
Ø (mm)	5 ¹⁾

¹⁾ Tolerance ± 0,1 mm

Connection cable											
Picture	IP	Connection Type	Color	From (°C) ¹⁾	To (°C) ¹⁾	Outside material	Material strand	Color strand	Ø (mm) ²⁾	Q (mm ²) ³⁾	Ω / m ⁴⁾
	IP67	4-Wire	white	-100	+260	PFA	PTFE	rd, wt, rd, wt	4,0	0,13	0,14

Insulation resistance: ≥ 100 MOhm at min. 100 VDC | ¹⁾Perm. range °C | ²⁾Tolerance ± 0,2 mm | ³⁾ Tolerance ± 0,03 mm² | ⁴⁾ per single strand | IP67

F - Length			
Code	F020	F050	F100
m	2	5	10

Other lengths on request

G - Connector	
Code	Feature
G99	Tinned cable ends

Delivery and Assembly

Assembly instructions	Loose to dive in aggressive media
Delivery and Packaging	Probe, seperatly packaged in PE bag

Your order code

Article no.	Length connection cable	Connector
803593 1011	F_____	G_____

Technical drawing

Customizable options	F - Length connection cable	G - Connector	All dimensions in mm
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