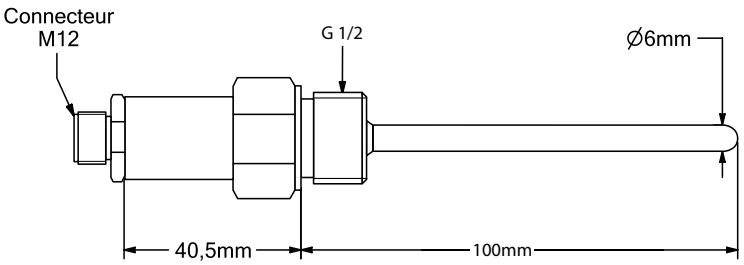
Datasheet

Pt100 Probe

DTR12100-5





Part Number : DTR12100-5

Product description : Probe 1xPt100 class A Ø6mm x 100mm thread G1/2 4-20 mA connector M12

Product detail : Probe 1xPt100 class A following CEI60751 - with protective sheath in 316L Ø6X100 mm, process connection G 1/2 - integrated transmitter with output 4-20mA range 0 to 100°C - M12 connector IP66

SPECIFICATIONS

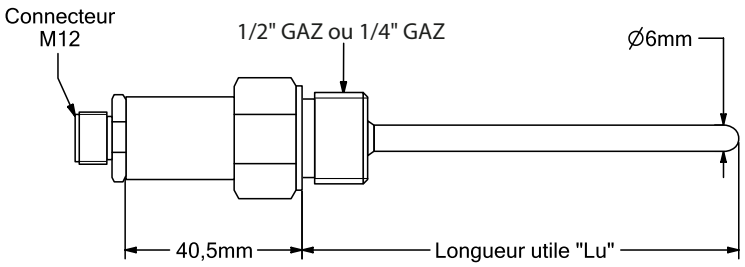
Attribute	Value
Sensor Type :	PT100
Probe Length :	100mm
Probe Diameter :	6mm
Minimum Temperature Sensed :	0°C
Maximum Temperature Sensed :	100°C
Termination Type :	M12 connector
Probe Material :	Stainless Steel 316L
Process Connection :	G 1/2
Number Of Wires :	2
Accuracy :	±0,2%

Compact RTD Sensor

with fitting and transmitter M12 connector out



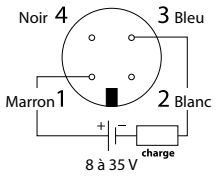
PROGRAMMABLE
4-20 mA ou Modbus
TOUT INOX



OPTIONS

- Etalonnage sur chaine de mesure rattachée Cofrac
- Autres raccords
- Doigt de gant
- Câble M12 sortie droite ou coudée
- Logiciel et câble : Réf : LOGICIEL960PRO USB/M12

SCHÉMA DE BRANCHEMENT



Pt100 class 1/3 DIN, output 4-20 mA 2 wires	
IP67 male M12 plug-in connector 4 contacts with polarization	
316 L stainless steel protective tube, housing and process connection	
Response time :	1,6s typical
Features of the integrated 4-20 mA transmitter	
Plage d'entrée programmable	
Accuracy :	±0.2% of full scale
Supply voltage :	8 to 35 VDC with reverse polarity protection
Power supply influence	±0.006 %/ V from 24V
Measurement range :	-200 à 650 °C
Process temperature limit :	-40 à +85 °C
Temperature influence :	±0.16 % of full scale / 25°C
Security :	current > 22 mA in case of failure
Integrated Modbus transmitter features	
Accuracy :	±0,1 %
Supply voltage :	7 à 40 Vdc with polarity reversal protection
Measurement range :	-200 à +600 °C
Température d'utilisation au niveau de la carte :	-40 à +85 °C
Security :	Configurable sensor break value
Communication :	RS485 2 wire protocole ModBUS-RTU
High noise immunity (radio band rejection filter) Supplied configured when ordered, can be reprogrammed by the user using software LOGICIEL960PRO USB/M12	

Ref. DTR		"Lu"		Setting ranges of the converter		
Raccord 1/2" GAZ	12	*80 mm*	80	*-50/+50*	1	*4-20 mA*
Raccord 1/4" GAZ	14	*100 mm*	100	*-50/+150*	2	*4-20 mA*
		150 mm	150	*-20/+80*	3	*4-20 mA*
		200 mm	200	*0/+50*	4	*4-20 mA*
		250 mm	250	*0/+100*	5	*4-20 mA*
		300 mm	300	*0/+120*	6	*4-20 mA*
		500 mm	500	*0/+150*	7	*4-20 mA*
				New	485	*Modbus*