

MI 2038 Vaste-inzet weerstandsthermometer

Sheath

Construction	Mineral insulated
Material	SS 316 - (Wst 1.4401) standard, other materials possible
Insertion length	Customer to specify
Process connection	M20x1.5, 1/2"BSP (G1/2"), 1/2"NPT or other threads possible

Style / Connection

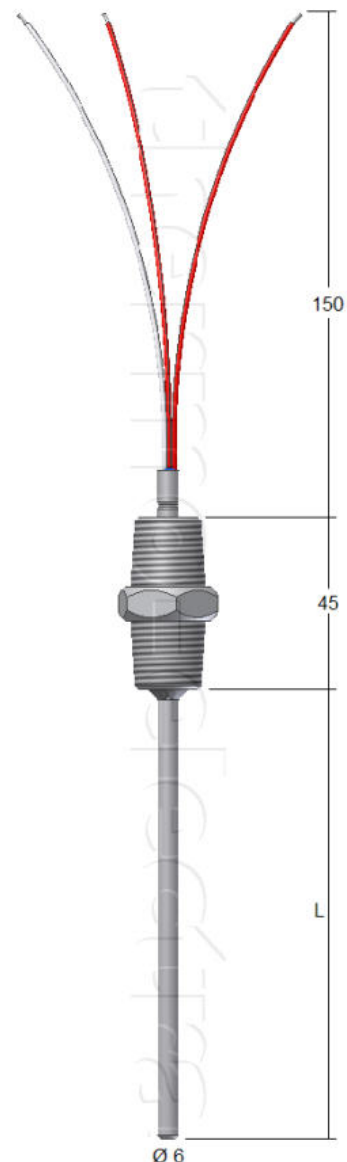
Mechanical	For M20x1.5, 1/2"BSP (G1/2"), 1/2"NPT or other threads possible
Electrical	Insulated PTFE wires 180°C, 150mm
Construction	fixed insertion

Sensor

Detector	Single or Duplex Pt100
Accuracy	According IEC 60751 class B
Style / Connection	3-wire system standard, 4-wire system optional
Range	-220 / + 600°C
Insulation material	Mineral insulated (MgO)
Testing	Tested 200 Volt @ 20 °C
Insulation resistance	Minimum 100Mohm

Options

Accuracy	Class A, 1/2, 1/3, 1/5 or 1/10 DIN 43760
Style / Connection	2-wire or 4-wire 2-wire with compensationloop Customer to specify separately



Tolerances for 100 Ω thermometers

temp °C	class A $\pm^\circ\text{C}$ $\pm\Omega$	class B $\pm^\circ\text{C}$ $\pm\Omega$
-200	0.55 0.24	1.3 0.56
-100	0.35 0.14	0.8 0.32
0	0.15 0.06	0.3 0.12
100	0.35 0.13	0.80 0.30
200	0.55 0.20	1.3 0.48
300	0.75 0.27	1.8 0.64
400	0.95 0.33	2.3 0.79
500	1.15 0.38	2.8 0.93
600	1.35 0.43	3.3 1.06
700	- -	3.8 1.17
800	- -	4.3 1.28
850	- -	4.6 1.34

