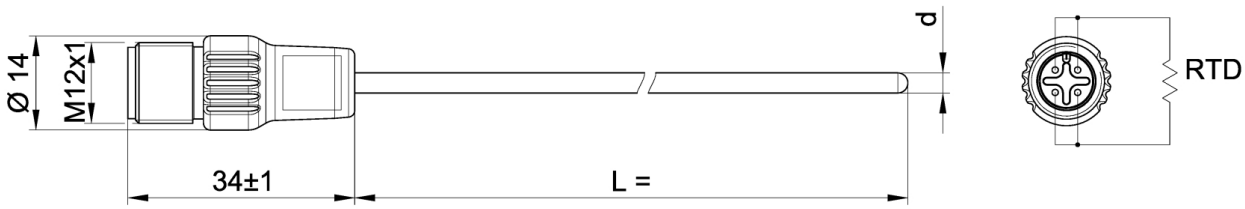
TRML1

Rev. 1 - 08/12/2022

RTD "CRYOGENIC USE" WITH M12 CONNECTOR

Thermoresistance thermometer with 4 poles M12 connector, combines the advantages of the connector with those of the " transition "

-single RTD Pt 100 cl.B
- Moulded IP67 connector
- foldable compact mineral insulation construction (M.I.C.) Ø3 mm
- Suitable for temperatures -200÷ 500°C (CRYOGENIC USE)



TECHNICAL SPECIFICATION

Sensing element	Pt100 range -200÷500 °C
Sensing Element configuration	single 4-wire
Output signal type	thermoresistance
Accuracy class in accordance to IEC751 (*) (*) The accuracy class is valid only in the temperature range indicated by the norm	cl. B
Operating range	-200 ÷500°C
Sheath diameter d	Ø 3 mm
Response time (*) (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	< 3,5 seconds
M.I.C. min. bending radius	3 times the outer diameter (except the sensing tip which length is ~30 mm)
Sheet material	AISI 316L
Insulation resistance	100 M Ω@ 100 Vdc.
Stem length L	250 mm 300 mm 350 mm 500 mm

ITALCOPPIE SENSORI srl
Via A. Tonani, 10 - Fraz. S. Giacomo al Campo
26030 Malagnino (CR) - Italy
www.italcoppie.com

WE SENSE TEMPERATURE

TECHNICAL SPECIFICATION

Dimensional notes	Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study)
Type of connector	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
Connection body material	POLYAMYDE (MOULDED)
Connector operating temperature range	-20 ÷120°C
Marking	marked with calibration value at 0 °C, production date and traceability code
International protection marking (*) (*) According to IEC 60529	IP67
FCM Prescriptions	Before the use is required to wash the food contact areas
Contact food type	all the foods
Materials in contact with food	AISI 316L
Type of contact	continuous
Area suitable for contact	stem for a maximum length of 1 m (measured from the tip)
Contact food temperature range	-40 ÷150°C
Maximum working pressure	PN 100 BAR

ITALCOPPIE SENSORI srl
Via A. Tonani, 10 - Fraz. S. Giacomo al Campo
26030 Malagnino (CR) - Italy
www.italcoppie.com