

RTD probe manufactured using densely packed magnesium oxide insulated stainless steel sheathed cables. The bendable probe is provided with a moulded on (IP 67) 3 pins connector with M8 male thread. This execution joins the advantages of the connector to the ones of a sealed cold junction (small size and suitability to severe environmental conditions).

TRS V8

RESISTANCE TEMPERATURE DETECTOR PROBE WITH MINIATURISED CONNECTOR WITH M8 METAL THREAD

TRS V8



Installed probe with accessories

TECHNICAL DATA

sensing element:
single RTD Pt 100 Ω at 0°C
to IEC 751 class B or class A

type of construction:
with densely packed magnesium oxide insulated cable

sheath material:
AISI 316 s.s.

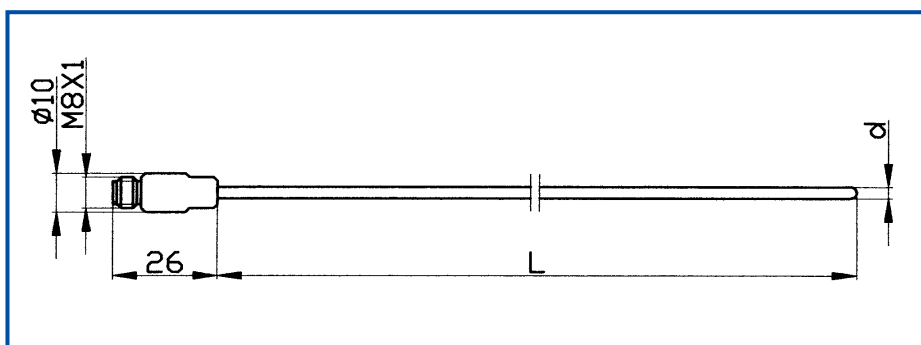
temperature range (related to accuracy class):
CLASS B: -50 ÷ 500 °C
CLASS A: -30 ÷ 350 °C

minimum bending radius:
Three-times the outer diameter (except the sensing tip which length is 30 mm)

connection:
3 pins male connector with body in moulded Nylon and M8X1 metal thread (to DIN-VDE 0627) with degree of protection IP 67 (T° Max 90 °C)

insulation resistance:
100 M Ω with 100 V d.c.

marking:
each probe is permanently marked with the exact ohmical calibration test value at 0 °C, the manufacturing date and a traceability code



CODE TO ORDER FROM STOCK:

TRSV8	P1				X
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ACCURACY CLASS
to IEC 751

B	B
A	A

SHEATH DIAMETER d (mm)

Ø2*	-2--
Ø3	-3--

* Available only with length L=150 mm

LENGTH L (mm)

100	0100
150	0150
250	0250
350	0350

* Accuracy class is only valid within temperature range

Class	ACCURACY AT 0°C	
	OHM	°C
B	± 0,12	± 0,3
A	± 0,06	± 0,15

Note: The shown products and codes are normally available for delivery from Italcoppie's stock. Any other execution upon request. We reserve the right for technical modifications without prior notice.

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TRS V8 RTD EXTENSION CABLE

TECHNICAL DATA FOR RTD EXTENSION CABLES

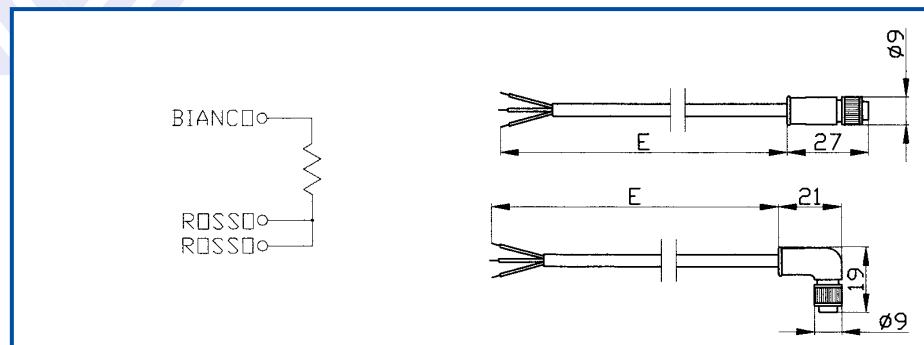
types:
with straight or elbow type connector

cable data:
Stranded copper wires 3X0,32 mm² (22 AWG) with single conductor and overall silicon rubber insulation, colour-coding to IEC 751

connection:
3 pins female connector, plug in and screw on type, with body in moulded Nylon and M8X1 metal thread (to DIN-VDE 0627), degree of protection IP 67

temperature limit:
90 °C for the connector; 180 °C for the cable

RTD extension cable with moulded on (IP 67) 3 pins connector with M8 female screw lock



CODE TO ORDER FROM STOCK:

PRV		AB		X	X	X
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CABLE LENGTH E=mm

1500	1500
3000	3000
5000	5000

TYPES

Straight	A
Elbow	B