

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



Installed probe with accessories

### TECHNICAL DATA

**sensing element:**  
single RTD Pt 100  $\Omega$  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.

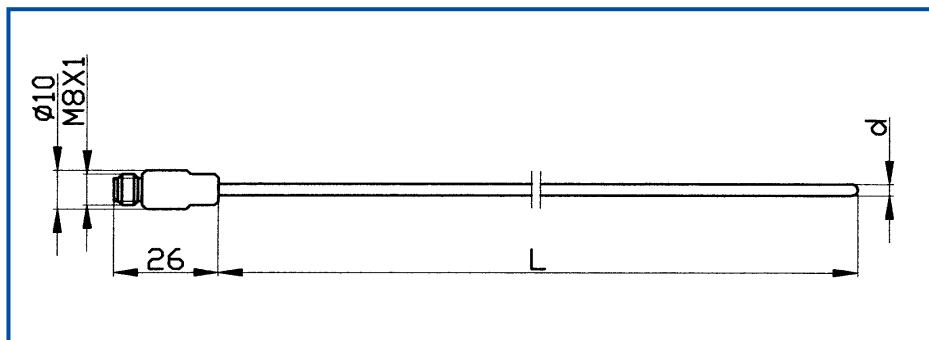
**temperature range (related to accuracy class):**  
CLASS B: -50  $\div$  500 °C  
CLASS A: -30  $\div$  350 °C

**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  $\Omega$  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	$\pm 0,12$	$\pm 0,3$
A	$\pm 0,06$	$\pm 0,15$

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

# italcoppie

### TECHNICAL DATA FOR RTD EXTENSION CABLES

#### types:

with straight or elbow type connector

#### cable data:

Stranded copper wires 3X0,32 mm<sup>2</sup> (22 AWG) with single conductor and overall silicon rubber insulation, colour-coding to IEC 751

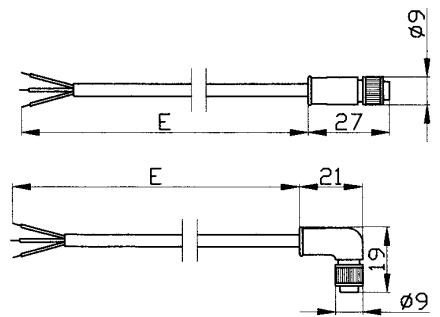
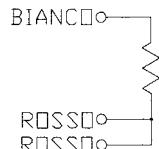
#### connection:

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