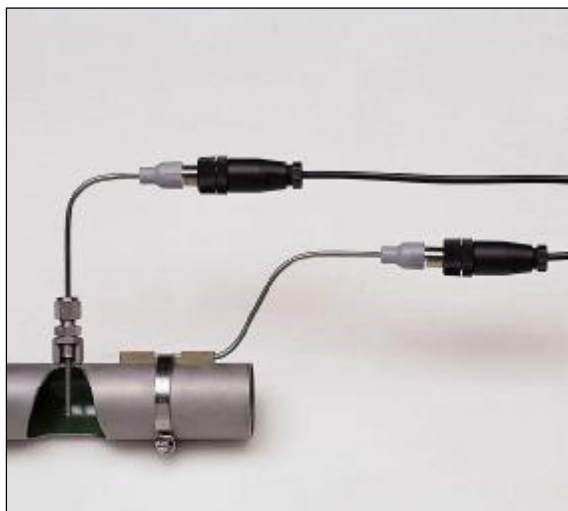


RTD probe manufactured using densely packed magnesium oxide insulated stainless steel sheathed cables. The bendable probe is provided with a moulded on (IP 67) 4 pins connector with M12 male thread, and is suitable for a great variety of applications. This probe can be a reliable alternative to common assemblies with connection head.

TRM

MULTI-PURPOSE RESISTANCE TEMPERATURE DETECTOR



Installation samples with accessories

TECHNICAL DATA

sensing element:
single RTD 1 Pt 100 Ω at 0 $^{\circ}\text{C}$
to IEC 751 class B; class A or
class AA

type of construction:
with densely packed magnesium
oxide insulated cable

sheath material:
AISI 316 s.s.

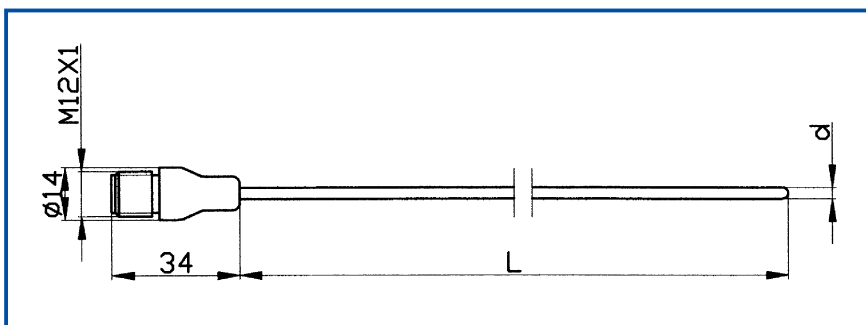
**temperature range (related to
accuracy class):**
CLASS B: -50 + 500 $^{\circ}\text{C}$
CLASS A: -30 + 350 $^{\circ}\text{C}$
CLASS AA: 0 + 250 $^{\circ}\text{C}$

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

connection:
4 pins male connector with
body in moulded Nylon and
M12X1 steel thread to (DIN-
VDE 0627) with degree of
protection IP-67 ($T^{\circ}\text{Max } 90^{\circ}\text{C}$)

Insulation resistance:
100 M Ω with 100 Vcc.

marking:
each probe is permanently
marked with the exact ohmical
calibration test value at 0 $^{\circ}\text{C}$,
the manufacturing date and a
traceability code



CODE TO ORDER FROM STOCK:

TRM	P1				X
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ACCURACY CLASS to IEC 751

B	B
A	A
AA(1/3 B)	Z

SHEATH DIAMETER d (mm)

Ø2*	-2--
Ø3	-3--
Ø4,5	-45-
Ø6	-6--

* Available only with length L=250 mm

LENGTH L (mm)

100	0100
150	0150
250	0250
350	0350
500	0500
750	0750
1000	1000

* The accuracy class is only valid
within the temperature range

Class	ACCURACY AT 0 $^{\circ}\text{C}$	
	OHM	$^{\circ}\text{C}$
B	$\pm 0,12$	$\pm 0,3$
A	$\pm 0,06$	$\pm 0,15$
AA	$\pm 0,04$	$\pm 0,1$

N.B. 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.

Via A. Tonani 10 - 26030 MALAGNINO (CR) ITALY
Tel. 0372.441220 - Fax 0372.441238 - www.italcoppie.it



CONNECTORS AND RTD EXTENSION CABLES

TECHNICAL DATA FOR CONNECTORS

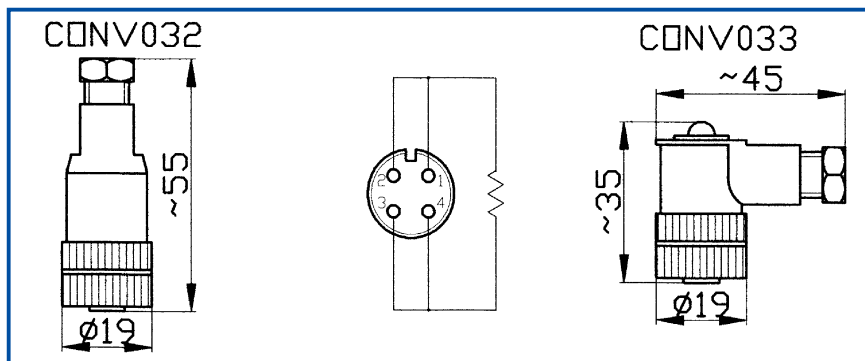
types:

with straight outlet (CONV032)
or with elbow outlet (CONV033)

connection:

female connector, plug in and
screw on type, with Nylon body
and 4 terminal pots with screws,
M12X1 metal thread
(to DIN-VDE 0627) and cable
gland with degree of protection
IP 67 (T° Max 90 °C)

Connectors having same features as a common connection head. They allow an easy use of several kind of cables (with different lengths and type of insulation) by means of terminal pots with screws, granting a high degree of protection (IP 67).



CODE TO ORDER FROM STOCK:

straight outlet	CONV032
elbow outlet	CONV033

TECHNICAL DATA FOR RTD EXTENSION CABLES

types:

with straight or elbow type
connector

cable data:

stranded copper wires 4X0,20
mm² (24AWG) with single
conductor and overall silicon
rubber insulation, colour-coding
to IEC 751

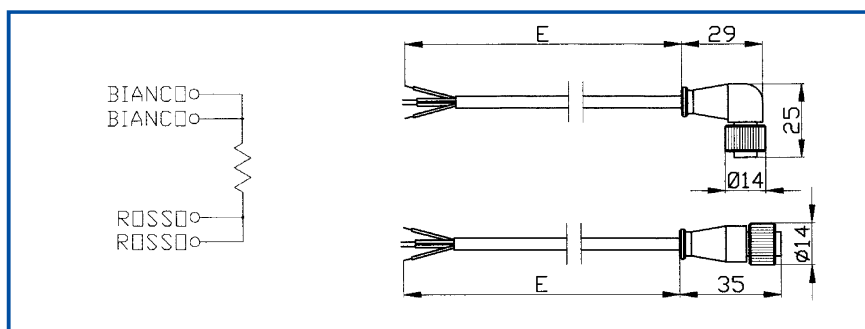
connection:

4 pins female connector, plug in
and screw on type, with body in
moulded Nylon and M12X1
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 (IP67) 4 pins connector
with M12 female screw lock



CODE TO ORDER FROM STOCK:

PRV		AC		X	X	X
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CABLE LENGTH E=mm

1500	1500
3000	3000
5000	5000

TYPES

Straight	C
Elbow	D

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