

Outside resistance thermometer - Type TP 10 / TW 70 -



FEATURES

- RTD ACC. DIN IEC 751
- POLYCARBONATE-HOUSING, FOR WALL MOUNTING
- PROTECTION CLASS IP 65 ACC. TO EN 60529
- WORKING TEMPERATURE AREA - 50°C ... + 80°C
- CONSTRUCTION IN EXXI ON REQUEST

DESCRIPTION

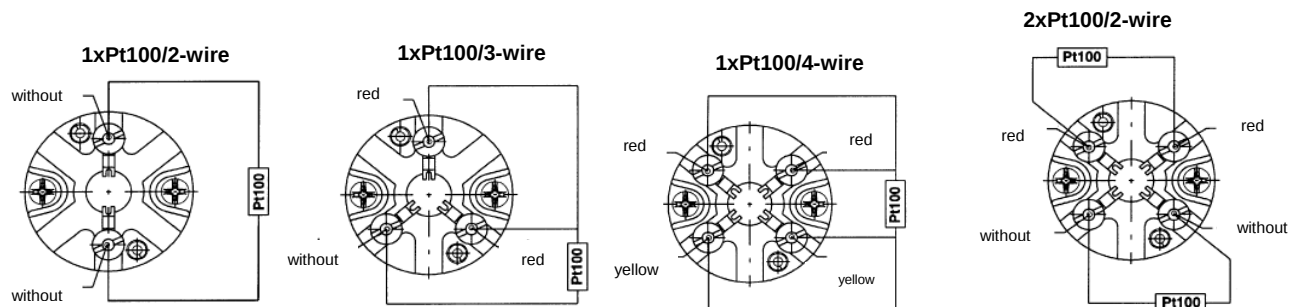
The resistance thermometer **type TP10 / TW70** is used for outside temperature measurement or in humid environment, e.g. in climatic chamber. The signal can be transferred as a resistance value or as a standard signal via integrated transmitter. The housing allows an easy wall mounting.

TECHNICAL DATA

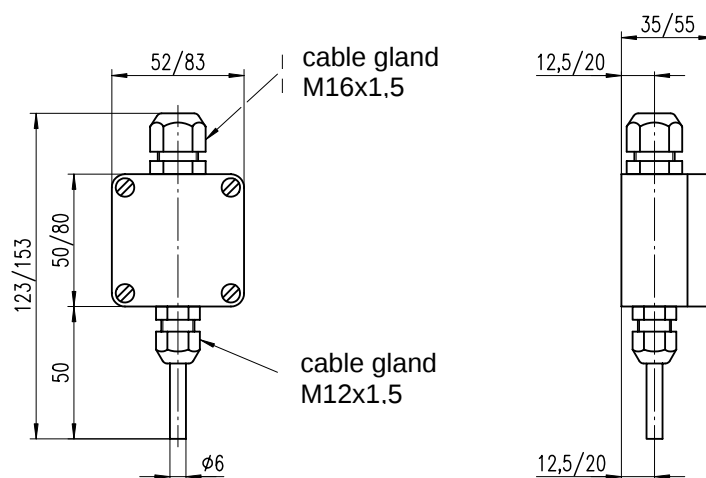
<u>Design configuration</u>	
Housing	housing 52 x 50 x 35 (L x B x H) > with transmitter housing 83 x 80 x 55 (L x B x H) > without transmitter
Housing material	polycarbonate, light grey
Temperature sensor	RTD acc. DIN IEC 751, tube material stainless steel 1.4571
Measurement insert, electrical	1 x Pt 100 in 2-, 3- or 4-wire connection, (standard: 3-wire connection) 2 x Pt 100 in 2-wire connection
Electrical connection	M16x1,5 – cable gland
Working temperature	T = -50... +80 °C
Sensor diameter	- l = 50 mm (movable up to 70 mm) - d = 6 mm
Protection class	IP 65 acc. EN 60529
<u>Options</u>	
Electrical connection	-- transmitter TE 42, programmable, 4...20 mA, 2-wire connection -- transmitter TE 41, programmable, galvanically isolated -- transmitter TE 52, HART -- transmitter TE 82, Profibus PA

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ELECTRICAL CONNECTION



DIMENSIONAL DRAWINGS



outside resistance thermometer
TP10 / TW70

ORDER INFORMATION

Sensor type, tolerance class, connection	
A	1 x Pt 100, class A, 2-wire
B	1 x Pt 100, class A, 3-wire (standard)
C	1 x Pt 100, class A, 4-wire
D	2 x Pt 100, class A, 2-wire

Output type	
Y	RTD (Pt100) output
L	transmitter, 4...20 mA, 2-wire connection, 24 DC, only in standard-3-wire connection with 1x Pt100

Transmitter measurement range	
00	without transmitter
10	-50...0 °C
20	-50...+50 °C
30	0...+50 °C

TP10 / TW70

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Our products are constantly in further development, therefore subjects to modifications.

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