Inserts for resistance thermometers
- Type TW01, TW02 -

FEATURES

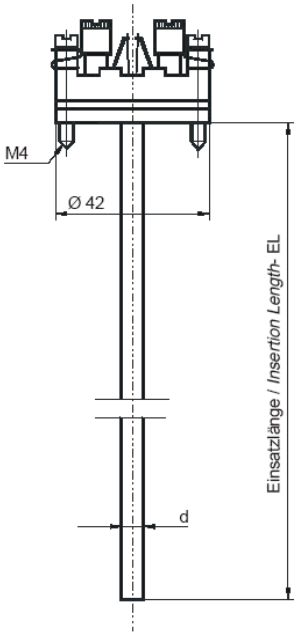
- **TEST INSERTS ACCORDING TO DIN EN 60571, EXCHANGEABLE**
- **CLASS A, B, B1/3, B1/10 … ACCORDING TO DIN EN 60571, STANDARD: CLASS A**
- **OTHER MEASURING RESISTORS, E.G. PT1000, NI100 ON REQUEST**
- **ELECTRICAL CONNECTION:**
  - **CERAMIC CLAMP SOCKET**
  - **TRANSMITTER TE42, 52 …**
  - **LOOSE CONDUCTOR ENDS**
- **STANDARD VERSION OR JACKETED CABLE FOR APPLICATIONS WITH HIGH VIBRATIONS**

APPLICATION EXAMPLE: Test insert d=3mm with attached TE42 transmitter

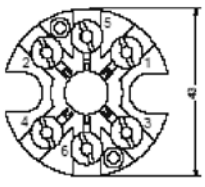
DESCRIPTION

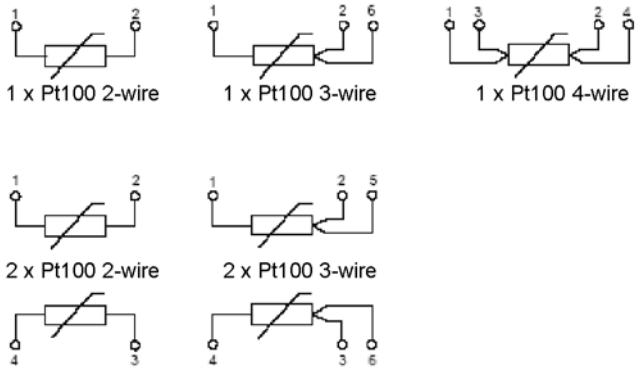
The inserts of Type TW01 and TW02 were designed for installation in protective fittings for resistance thermometers. The inserts can be exchanged during the operation without opening up the process. Different length and diameters of the test inserts are available for appropriate applications, e.g. shorter response times. A version with a tapered sensor tip (2.6 mm) is also possible.

DIMENSIONAL DRAWING

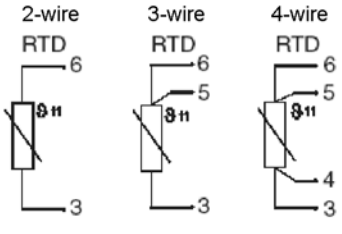


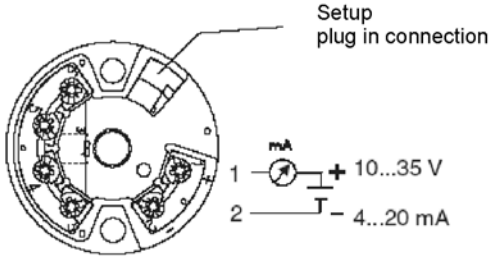
ELECTRICAL CONNECTION





with transmitter TE42





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Limit deviation according to DIN EN 60571

°C	DIN class B	DIN class A	DIN class 1/3 B	DIN class 1/10 B
0	0.3	0.15	0.1	0.03
100	0.8	0.35	0.27	0.1
200	1.3	0.55	0.44	0.17
300	1.8	0.75	0.61	0.24
400	2.3	0.95	0.78	0.31

Sensor	Class B	Class A	Class 1/3B	Class 1/10B
Pt100	0.3 + 0.005t	0.15 + 0.002t	0.1 + 0.00167t	0.03 + 0.0005t

ORDER INFORMATION

Measuring insert TW

01	d = 6mm
02	d = 3mm

Basic type

A	Measuring insert with 1xPt100/2-wire
B	Measuring insert with 1xPt100/3-wire
C	Measuring insert with 1xPt100/4-wire
D	Measuring insert with 2xPt100/2-wire
E	Measuring insert with 2xPt100/3-wire

Version

L	Standard version (tmax= 200°C)
M	Version with sheathed cable (vibration resistant tmax = 600°C)

Test insert length

XXXX	Test insert length in mm (please specify in PLAINTEXT)

Connection

0	With loose conductor ends
M	With ceramic clamp socket
A	with transmitter, 4…20 mA, 2L (standard)

Measuring accuracy

M	Accuracy of measurement class B
N	Accuracy of measurement class B 1/3
L	Accuracy of measurement class B 1/10
P	Accuracy of measurement class A (standard)
Q	Accuracy of measurement class A 1/2

TW						

Our equipment is currently being developed, therefore we reserve the right to make amendments.

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