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JUMO HEATtemp

Heat meter resistance thermometers with terminal head, PTB approved

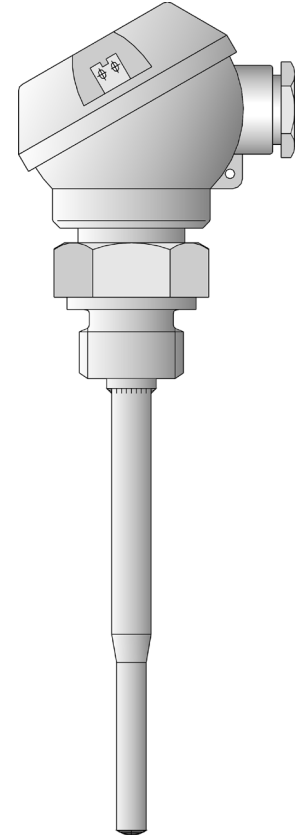
- for temperatures from 0 to 200°C, Type Direct Long (DL) and Pocket Long (PL)
- approved to calibration regulations EO 22 and EN 14 34 as interchangeable temperature probes according to AGFW regulation FW 202
- paired and certified in-house
- measurement directly in medium or in additional pocket

Heat meter resistance thermometers are used for temperature measurement in closed pipe systems. Mounting in pockets with close tolerances avoids drainage of the system in the event of replacement after the end of the certification period. Screw-in or push-in versions with terminal head Form J are available.

The measuring insert is normally fitted with a Pt100 temperature sensor to EN 60 751, Class B in 2-wire circuit. Versions with Pt500 or Pt1000 are also approved. 3-wire and 4-wire circuit connections can be provided.

The resistance thermometers can be tested, paired and certified at temperatures between 20 and 150°C in the in-house Heat Test Laboratory **KF2**, which has state approval, or in the accredited test laboratory.

Measurement and certification charge for resistance thermometers to Federal Legal Document No. 28 of 1st August 2001.



Technical data

Terminal head

Form J, aluminium die-casting, Pg9, IP54, ambient temperature -20 to +100°C thread, stainless steel 1.4571

Process connection

stainless steel 1.4571, 6mm and 8mm dia. stepped down to 6mm dia.

Protection tube

Measuring insert

Pt100 temperature sensors, EN 60 751, Cl. B, 2-wire circuit

Accessories

pocket, see Data Sheet 90.2440

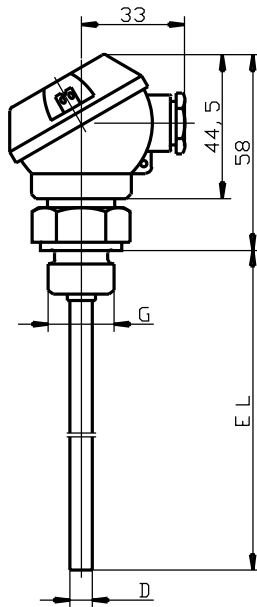
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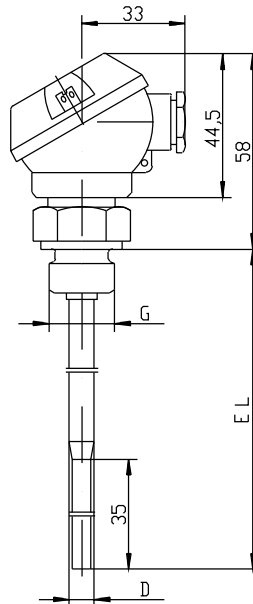
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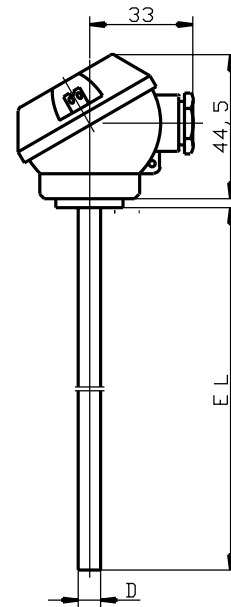
Dimensions



Type 902424/10 (DL)



Type 902424/11 (DL)



Type 902434/10 (PL)

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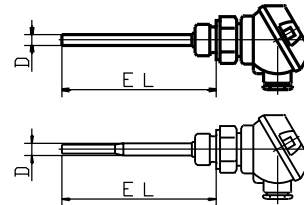
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Order details: Heat meter resistance thermometers with terminal head, PTB approved

(1) Basic version

	902424/10	Screw-in resistance thermometer with continuous protection tube, Form DL to EN 14 34
	902424/11	Screw-in resistance thermometer with stepped protection tube, Form DL to EN 14 34
x x	832	(2) Operating temperature in °C 0 to 200°C
x x	1003	(3) Measuring insert 1 x Pt100 in 2-wire circuit
x x	1004	1 x Pt500 in 2-wire circuit
x x	1005	1 x Pt1000 in 2-wire circuit
x x	1011	1 x Pt100 in 4-wire circuit
x x	1012	1 x Pt500 in 4-wire circuit
x x	1013	1 x Pt1000 in 4-wire circuit
x x	1	(4) Tolerance class to EN 60 751 Class B (standard)
x x	2	Class A
x x	3	Class 1/3 DIN
x	6	(5) Protection tube diameter D in mm 6mm
x	8	8mm stepped down to 6mm
x x	85	(6) Fitting length EL in mm 85mm
x x	100	100mm
x x	120	120mm
x x	210	210mm
x x	104	(7) Process connection thread 1/2" pipe
x x	000	(8) Extra codes no extra code
x x	319	terminal head Form B
x x	320	terminal head Form BUZ
x x	323	terminal head Form JK
x x	340	version paired to EN 14 34 up to 150°C
x x	341	version paired to EN 14 34 and certified up to 150°C
x x	347	wire-wound temperature sensor



Order code (1) - (2) - (3) - (4) - (5) - (6) - (7) / (8) , ...
Order example 902424/10 - 832 - 1003 - 1 - 6 - 120 - 104 / 000¹

1. List extra codes in sequence, separated by commas.

According to EN 14 34, the maximum operating temperature is 30°C above the highest measurement temperature during pairing (standard: 120°C).

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Order details: Heat meter resistance thermometers with terminal head, PTB approved

(1) Basic version

902434/10 Push-in resistance thermometer with continuous protection tube, Form PL to EN 14 34



(2) Operating temperature in °C

x 832 0 to 200°C

(3) Measuring insert

- x 1003 1 x Pt100 in 2-wire circuit
- x 1004 1 x Pt500 in 2-wire circuit
- x 1005 1 x Pt1000 in 2-wire circuit
- x 1011 1 x Pt100 in 4-wire circuit
- x 1012 1 x Pt500 in 4-wire circuit
- x 1013 1 x Pt1000 in 4-wire circuit

(4) Tolerance class to EN 60 751

- x 1 Class B (standard)
- x 2 Class A
- x 3 Class 1/3 DIN

(5) Protection tube diameter D in mm

x 6 6mm, tolerance d10 (to EN 14 34)

(6) Fitting length EL in mm

- x 105 105mm
- x 140 140mm
- x 230 230mm

(7) Extra codes

- x 000 no extra code
- x 319 terminal head Form B
- x 320 terminal head Form BUZ
- x 323 terminal head Form JK
- x 340 version paired to EN 14 34 up to 150°C
- x 341 version paired to EN 14 34 and certified up to 150°C
- x 347 wire-wound temperature sensor

Order code (1) - (2) - (3) - (4) - (5) - (6) / (7) ,...
Order example 902434/10 - 832 - 1003 - 1 - 6 - 140 / 000¹

1. List extra codes in sequence, separated by commas.

According to EN 14 34, the maximum operating temperature is 30°C above the highest measurement temperature during pairing (standard: 120°C).

Note: Pockets, see Data Sheet 90.2440

Measurement and certification costs for resistance thermometers to Federal Legal Document No. 28 of 1st August 2001. Other approved styles on request!

Stock versions:

(1) - (2) - (3) - (4) - (5) - (6) - (7) / (8) Sales No.
 902424/11 - 832 - 1003 - 1 - 8 - 100 - 104 / 347 90/00084541

Stock versions:

(1) - (2) - (3) - (4) - (5) - (6) / (7) Sales No.
 902434/10 - 832 - 1003 - 1 - 6 - 140 / 000 90/00081727