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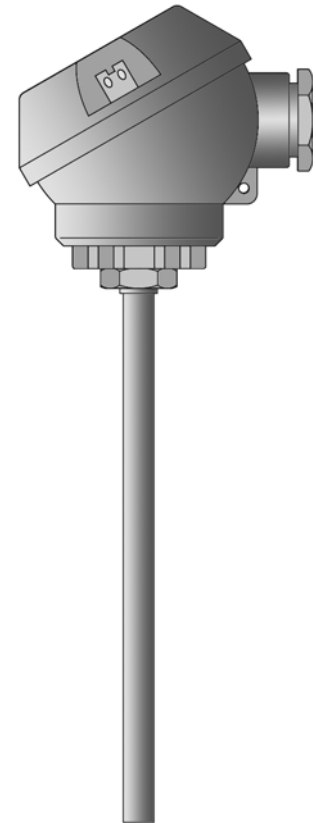
JUMO HEATtemp

Push-in RTD temperature probe for heat meter with connection head for immersion sleeves (type PL)

- For temperatures from 0 to 180 °C
- Approval for heat meter MID and domestic approval as exchangeable temperature probes
- Meets the requirements as per DIN EN 1434 and AGFW 202
- Paired and calibrated as per the German calibration regulations
- Production certified as per module D of the MID (CE and metrology sign)
- Adapted accessoried for installation (data and price sheet 902440)

Heat meter RTD temperature probes are used for temperature measurement in closed-loop pipe systems. Thanks to the installation in sheaths with tolerance on fit for optimum thermal coupling, the system need no longer be discharged at the time of the regular exchange once the certification period has elapsed..

The temperature probes are approved in accordance with the EU directive 2004/22/EC (MID) as well as according to the German calibration regulations (domestic approval). The temperature probes are available in paired and calibrated execution. The state-approved test body for heat KF2 is responsible for this purpose. Moreover, the production is certified according to module D of MID, and the temperature probes are also available with the CE and metrology sign.



Technical Data

Terminal head	Form J, die-cast aluminum, M 16x1.5, IP65, Ambient temperature -20 to +100 °C
Process connection	Push-in RTD temperature probes for sheaths (immersion sleeves)
Sheath	Ø 6 mm with tolerance on fit for sheath, stainless steel
Measuring insert	Platinum temperature probe as per DIN EN 60751 Rated value: Pt100, Pt500, Pt1000; class B Connection: 2-wire/4-wire circuit
Temperature	0 to 180 °C
Temperature difference	3 to 180 K
Minimum immersion depth	30 mm
Fitting length	85 to 400 mm
Admissible operating pressure PN	40 bar (with sheath)
Response behavior	$t_{0,5} \leq 12$ s (installed in sheath)
Thermoelectric voltage	≤ 5 μ V
Ambient conditions	Climatic 0 to 70 °C Protection class IP65 Electromagnetic E1 Mechanical M3
Accessories	For the sheath, refer to the data and price sheet 902440

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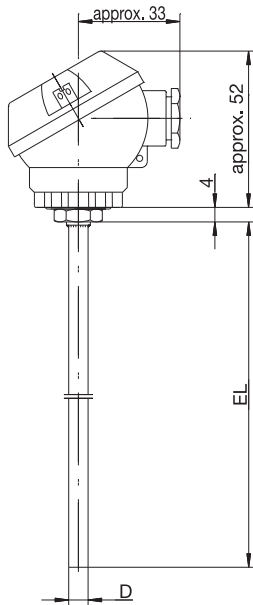
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**Dimensions****Basic type 90.238-F25 (PL)****Basic type 902434/10 (PL)****Basic type 902437/10 (PL)****Approval overview**

Basic type	Approval	
	Type	Number
90.238-F25	Domestic (Germany)	22.30/90.04
902434/10	Domestic (Germany) as per DIN EN 1434	22.70/00.02
902437/10	Module B as per MID ¹	DE-06-MI004-PTB015

¹ MID = Measuring Instruments Directive, European measuring instrument directive 2004/22/EC

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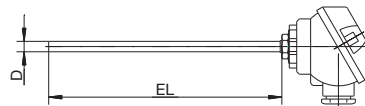
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Order details: Heat meter RTD temperature probe with connection head,
 PTB approved 22.30/90.04 and 22.70/00.02

(1) Basic type

902434/10 Push-in RTD temperature probe
 with continuous sheath,
 design PL as per DIN EN 1434 (2003)



(2) Operating temperature in °C

x 824 0 to 150 °C
 x 830 0 to 180 °C

(3) Measuring insert

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

(4) Tolerance class as per DIN EN 60751

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

(5) Sheath diameter D in mm

x 6 Ø 6 mm (tolerance as per DIN EN 1434-2)

(6) Fitting length EL in mm (85 to 400 mm)

x 105 105 mm
 x 140 140 mm
 x 230 230 mm
 x ... Specifications in plain text

(8) Extra codes

x 000 None
 x 319 Connection head, form B
 x 320 Connection head form BUZ
 x 340 Version paired as per DIN EN 1434²
 x 341 Version paired as per DIN EN 1434 and calibrated^{2, 3}

Order code (1) (2) (3) (4) (5) (6) (7) ...¹
Order example 902434/10 - 830 - 1003 - 1 - 6 - 140 / 341

Note:

For the sheath, refer to the data and price sheet 902440
 For the connection heads, refer to the data and price sheet 909715 (909722)

¹ List extra codes in sequence, separated by commas.
² Price for pairing depends on the quantity; minimum quantity for paired temperature probes: 30 pairs for versions not in stock.
³ Calibration fees as per Federal Law Gazette No. 28 dd. 1.8.2001, quantity-dependent, not subject to discounts

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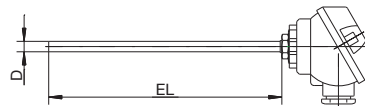
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**Order details: Heat meter RTD temperature probe with connection head,
 MID approved DE-06-MI004-PTB015**

(1) Basic type

902437/10 Push-in RTD temperature probe
 with continuous sheath,
 design PL as per DIN EN 1434 (2003)



(2) Operating temperature in °C

x 824 0 to 150 °C
 x 830 0 to 180 °C

(3) Measuring insert

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

(4) Tolerance class as per DIN EN 60751

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

(5) Sheath diameter D in mm

x 6 Ø 6 mm (tolerance as per DIN EN 1434-2)

(6) Fitting length EL in mm (85 to 400 mm)

x 105 105 mm
 x 140 140 mm
 x 230 230 mm
 x ... Specifications in plain text

(7) Extra codes

x 000 None
 x 319 Connection head, form B
 x 320 Terminal head form BUZ
 x 340 Version paired as per DIN EN 1434²
 x 761 Version paired with CE and metrology sign (first calibration)²

Order code (1) (2) (3) (4) (5) (6) (7) ...¹
Order example 902437/10 - 830 - 1003 - 1 - 6 - 140 / 761

Note:

For the sheath, refer to the data and price sheet 902440
 For the connection heads, refer to the data and price sheet 909715 (909722)

¹ List extra codes in sequence, separated by commas.

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