SC sheathed measuring insert

INFORMATIONS

Sensing element

Pt100 single or duplex With tolerance class B, A or AA according to IEC 60751 (EN 60751)

Temperature range

Standard -200 to 600°C.

External sheath

AISI 304L seamless semi-flexible sheath with mineral oxide filling.
Diameter: 6mm by default, 4,5 and 3mm available on request

Wiring

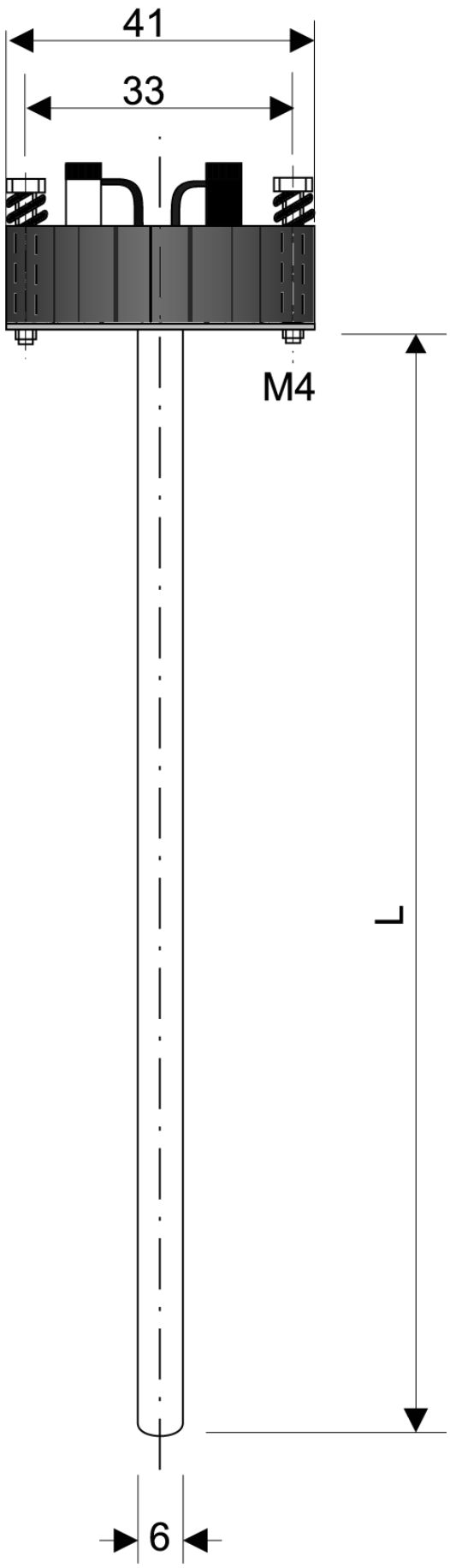
1×3 wire connection (1×4, 2×2, 2×3-wire connection available on request, depending on the sheath diameter)

APPLICATIONS

Alternative to standard inserts at high temperature particularly when the length exceeds 450mm or when high mechanical resistance is required
Fits Series 6 and 8

OPTIONS

Ex design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Description	Standard	Your requirements

Thermo element		
Measuring element	❍ Other, please specify ❍ Double Pt100 ❍ Single Pt100 ❍ Double Pt1000 ❍ Double Pt1000	
Precision class	❍ Other, please specify ❍ Class A ❍ Class AA ❍ Class B as standard	
Wire arrangement	❍ 1 x 3-wires ❍ 1 x 4-wires ❍ 2 x 2-wires ❍ 2 x 3-wires	
Temperature range	❍ -200 / 600 °C ❍ Other range, please specify	

Immersion zone		
Diameter	❍ 6 mm ❍ 8 mm ❍ 4,5 mm	
Length	❍ 275 mm ❍ 315 mm ❍ 345 mm ❍ 375 mm ❍ 405 mm ❍ 435 mm ❍ 525 mm ❍ 555 mm ❍ 585 mm ❍ 655 mm ❍ 735 mm	

Immersion zone		
	❍ Other, please specify	

Connection		
Sensor terminals	❍ Ceramic contact block with screw terminals ❍ Mounting plate and free wires for transmitter mounting	
Transmitter	❍ Not required (as standard) ❍ Transmitter with HART protocol ❍ Galvanic insulation transmitter ❍ Uninsulated transmitter	

Identification		
Identification	❍ Other, please specify ❍ Self-adhesive label	

Other requirements		
Calibration	❍ BELAC calibration required - please specify the temperature calibration points ❍ Not required (as standard)	
Certificates (option)	❍ None required ❍ CE certificate (only if built-in transmitter) ❍ Conformity certificate ❍ ATEX Ex ia (intrinsic safety)with certificate	