

● Characteristics

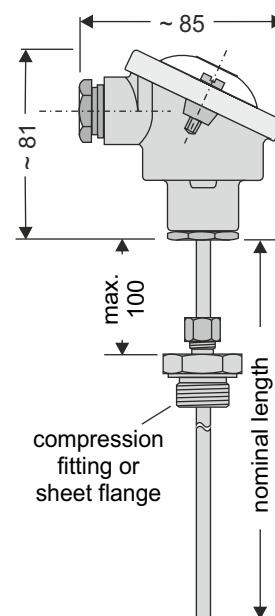
1 - TEMPERATURE - PROBE - RTD

Sensor element:	Pt100 / Pt1000 / 2x Pt100 / 2x Pt1000
Type of sensor:	2-wire / 3-wire / 4-wire
Accuracy:	class A / class B / B1/2DIN / B1/3DIN / B1/10DIN
Type:	standard element (S) / mineral insulated element (M)
Model:	screw-in sensor (ES) / dip-in sensor (ET)
Thermowell:	stainless steel 1.4571 (316Ti) for standard element stainless steel 2.4816 (Inconel 600) for M.I. element
Ø Thermowell:	
standard element:	ES: 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 15 mm ET: 5 / 6 / 7 / 8 / 9 / 10 / 11 / 15 mm
M.I. element:	ES: 3 / 6 mm ET: 6 mm
Length: (fitting and nominal)	50 / 100 / 160 / 200 mm option: according to details maximum length: 200 mm
Process connection:	1/4" / 3/8" / 1/2" / 1" / 1/4NPT / 3/8NPT / 1/2NPT maximum process pressure: PN16
Bending radius:	minimum 5x thermowell diameter (M.I. element)
Terminal head:	material: aluminum process connection: M24x1,5 cable connection: M20x1,5 connection: ceramic block with terminal posts
Protection class:	terminal head IP54
Insulating resistance:	test voltage: 500 VDC
Mineral insulator:	metal oxide
Response time:	Thermowell 3x0,4 mm: t90: 5 s / t50: 2 s
Accessories:	connection cable (max. 6 m) compression fitting (see data sheet WT-TE-Z) sheet metal flange (see data sheet WT-TE-Z)

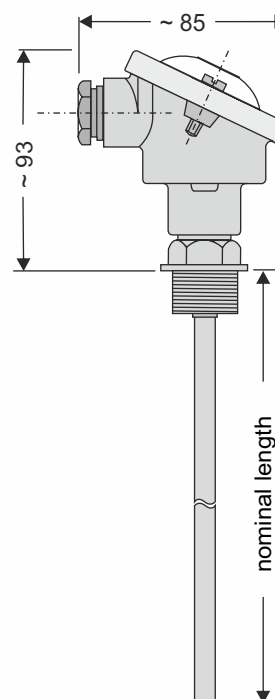


Type approval
TAA00002H5

all dimensions in mm
dip-in sensor (ET)



all dimensions in mm
screw-in sensor (ES)



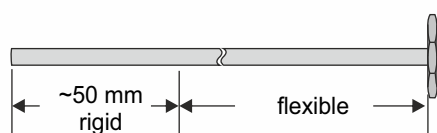
Ø Thermowell and wall:

Standard tube: 3x0,4 / 4x0,5 / 5x0,5 / 6x0,5 / 6x1 / 7x0,5 / 7x1 / 8x1 / 9x1 / 10x1 / 11x2 / 15x2 mm

Maximum operating temperature range:

Sensor:	-200...+450 °C
Thermowell:	stainless steel 1.4571 (316Ti): up to 600 °C / stainless steel 1.4401 (316): up to 600 °C
Terminal head:	up to 480 °C
Compression fitting:	-75...+250 °C

● Thermowell Mineral Insulated Element



Product code: KD

Sensor element

- 4 1x Pt100
5 1x Pt1000
6 2x Pt100
7 2x Pt1000

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Type

- 0 2-wire
1 3-wire
2 4-wire

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Accuracy

- 0 class A
1 class B
2 B1/2DIN
3 B1/3DIN
4 B1/10DIN

☐

Type*

- 0 standard element (S)
1 mineral insulated element (M)

☐

Model

- 0 screw-in sensor (ES)
1 dip-in sensor (ET)

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Material thermowell*

- 0 stainless steel 1.4571 (316Ti) (S)
1 stainless steel 1.4401 (316) (M)

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Ø thermowell*

- 1 3 mm (S, M), ES types only
2 4 mm (S), Es type only
4 5 mm (S)
5 6 mm (S, M)
6 7 mm (S)
7 8 mm (S)
8 9 mm (S)
9 10 mm (S)
A 11 mm (S)
B 15 mm (S)

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Fitting length / Nominal length

- 0 50 mm
1 100 mm
2 160 mm
3 200 mm
4 other length (maximum 200 mm)

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mm

Process connection

- 0 1/4"
1 3/8"
2 1/2"
3 1"
4 1/4NPT
5 3/8NPT
6 1/2NPT

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Used temperature range

please specify

- °C

* S = standard element
M = mineral insulated element