

● Characteristics

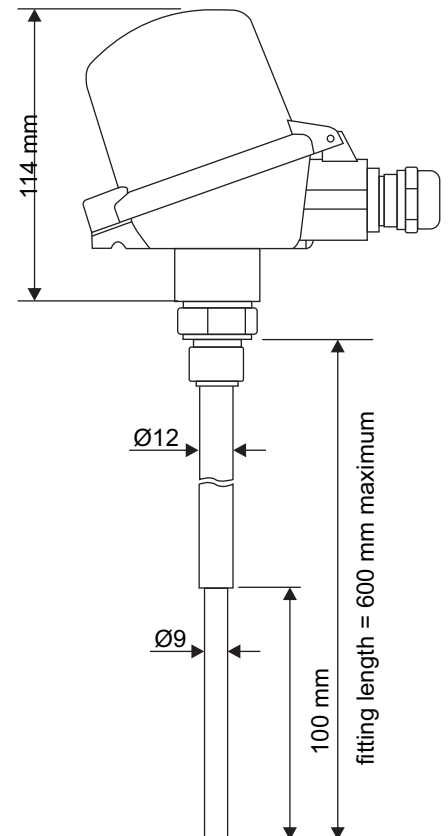
1 - TEMPERATURE SENSOR - PROBE

Thermocouple:	1x type K (NiCr-Ni) / 1x type J (Fe-CuNi)
Type:	Protective sheath with spring mounted measuring insert (mineral insulated element, MI)
Model:	Screw-in sensor
Protective sheath:	Stainless steel 1.4571 (316Ti) Stainless steel 2.4816 (Inconel 600)
Measuring insert:	M.I. element stainless steel 2.4816 (Inconel 600)
Ø of tubes	
Protective sheath:	12 and 9 mm
Measuring insert:	6 mm
Fitting length:	250 / 300 / 400 / 500 / 600 mm Option: according specification Length: 200...600 mm
Process connection:	1/2" / 1" / 1/2NPT Maximum process pressure: PN25
Terminal head:	Type: BUZ-H (DANW) Material: diecast aluminium Process connection: M24x1,5 Cable connection: M20x1,5 Connection: ceramic block with terminal posts
Protection:	Terminal head: at least IP 54
Insulating resistance:	Test voltage: 500 VDC
Mineral insulator:	M.I. element: metal oxide
Accuracy:	according DIN EN 60584-2 class 1 Type K: $\pm 1,5 \text{ }^\circ\text{C}$ (-40...375 $^\circ\text{C}$) $\pm 0,004 t $ (375...1000 $^\circ\text{C}$) Type J: $\pm 1,5 \text{ }^\circ\text{C}$ (-40...375 $^\circ\text{C}$) $\pm 0,004 t $ (375...750 $^\circ\text{C}$)
Response time:	t90: 85 s / t50: 23 s (temperature difference: 188 $^\circ\text{C}$)
Accessories:	Connection cable Transmitter with GL approval (TMT182)



Type approval
95 024 - 14 HH

All dimensions in mm



Ø Protecting tube and wall: 12x2 mm / 9x1 mm

Maximum operative temperature range:

Thermocouple:	Type K: -200...1000 $^\circ\text{C}$ / Type J: -200...700 $^\circ\text{C}$
Protective sheath:	Stainless steel 1.4571 (316Ti): up to 600 $^\circ\text{C}$ / Stainless steel 2.4816 (Inconel 600): up to 1100 $^\circ\text{C}$
Terminal head:	Up to 480 $^\circ\text{C}$
Transmitter TMT182:	-40...+85 $^\circ\text{C}$

● **Order details**

Product code: KC

Type thermocouple

- A 1x type K
- B 1x type J

Type

- 0 Protective sheath with spring mounted measuring insert

Measuring insert

- 0 Mineral insulated element (MI)

Model

- 0 Screw-in sensor

Material protective sheath

- 0 Stainless steel 1.4571 (316Ti)
- 1 Stainless steel 2.4816 (Inconel 600)

Ø protective sheath

- 0 12 and 9 mm

Fitting length

- 0 250 mm
- 1 300 mm
- 2 400 mm
- 3 500 mm
- 4 600 mm
- 5 Other length (maximum 600 mm)

 mm

Process connection

- 2 1/2"
- 3 1"
- 6 1/2NPT

Transmitter

- 0 Without
- 1 With (TMT 182)

Used temperature range

please indicate

 - °C