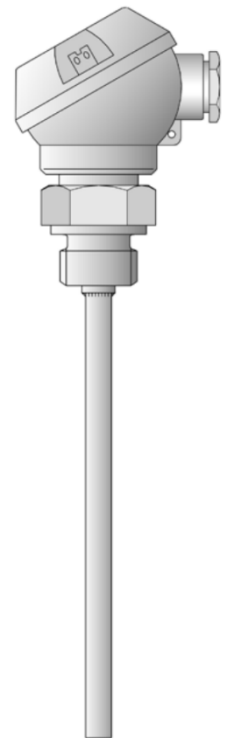


Screw-in thermocouples with terminal head form J

- for temperatures from -200 to +800°C
- As single or double thermocouples
- Structure isolated or connected with thermowell
- Protection class IP65

Screw-in thermocouples are preferentially used for measuring temperatures in liquids and gases. A decisive selection criterion is the reliable sealing feature of this installation type with vacuum and with overpressure. The application areas are, among others, in the HVAC, kiln and apparatus engineering sector.

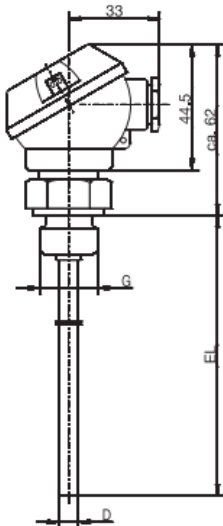
The measuring insert is equipped with thermal pairs (thermocouples) according to DIN EN 60 584 and/or DIN 43 710 as a standard. Versions with two thermocouples are also possible.



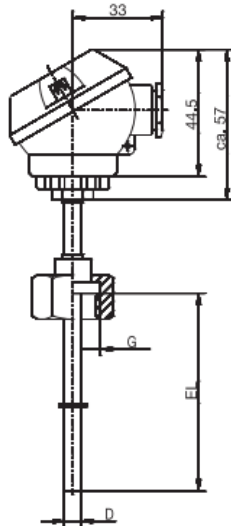
Technical Data

| | |
|---------------------------|---|
| Terminal head | Form J, die-cast aluminum, M 16x1.5; IP65, ambient temperature -40 to +100°C |
| Process connection | thread, stainless steel 1.4571 |
| Protection tube | Stainless steel 1.4571, \varnothing 6mm |
| Measuring insert | Insulated structure: 1 x Fe-CuNi „J“, DIN EN 60 584, cl. 2, operating temperature -200 to +600°C 1 x Fe-CuNi „L“, DIN 43 710, cl. 2, operating temperature -200 to +600°C 1 x NiCr-Ni „K“, DIN EN 60 584, cl. 2, operating temperature -200 to +800°C 2 x Fe-CuNi „J“, DIN EN 60 584, cl. 2, operating temperature -200 to +600°C 2 x Fe-CuNi „L“, DIN 43 710, cl. 2, operating temperature -200 to +600°C 2 x NiCr-Ni „K“, DIN EN 60 584, cl. 2, operating temperature -200 to +800°C |
| Accessories | Thermowell, Data Sheet 90.9721 |

Dimensions



Type 901030/10



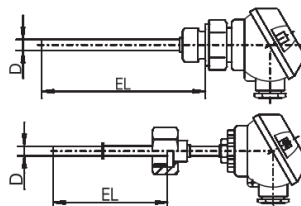
Type 901030/20

Order details: Screw-in thermocouples with terminal head form J

(1) Basic type

901030/10 Screw-in thermocouple with continuous thermowell

901030/20 Screw-in thermocouple with continuous thermowell and union nut



(2) Operating temperature in °C

x x 130 -200 to +400°C
 x x 150 -200 to +600°C
 x x 165 -200 to +800°C

(3) Measuring insert

x x 1040 1 x Fe-CuNi „J“
 x x 1042 1 x Fe-CuNi „L“
 x x 1043 1 x NiCr-Ni „K“
 x x 2040 2 x Fe-CuNi „J“
 x x 2042 2 x Fe-CuNi „L“
 x x 2043 2 x NiCr-Ni „K“

(4) Protection tube diameter D in mm

x x 6 Ø 6mm

(5) Fitting length EL in mm (50 ≤ EL ≤ 600, EL ≥ 150 for basic type 901030/20)

x 50 50mm
 x 75 75mm
 x 100 100mm
 x x 150 150mm
 x x 200 200mm
 x x 250 250mm
 x x 300 300mm
 x x ... please specify in plain text (50mm steps)

(6) Process connection

x 102 Screw connection (thread) G 1/4
 x 103 Screw connection (thread) G 3/8
 x 104 Screw connection (thread) G 1/2
 x 164 Union nut G 1/2
 x 165 Union nut G 3/4

(7) Extra codes

x x 000 None

Order code - - - - - /
 Order example 901030/10 - 130 - 1042 - 6 - 100 - 104 / 000

Note: Thermowell, Data Sheet 90.9721

Stock versions

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | Part No. |
|-----------|-------|--------|-----|-------|-------|-------|-------------|
| 901030/10 | - 150 | - 1042 | - 6 | - 100 | - 104 | / 000 | 90/00407109 |
| 901030/10 | - 150 | - 1042 | - 6 | - 200 | - 104 | / 000 | 90/00520186 |