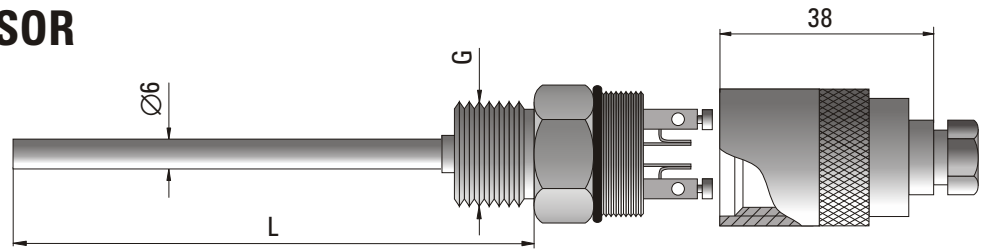
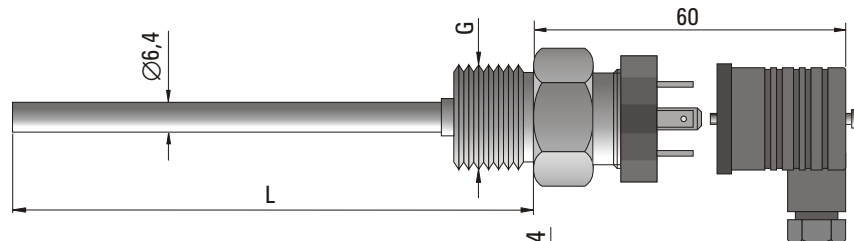


TEMPERATURE SENSOR

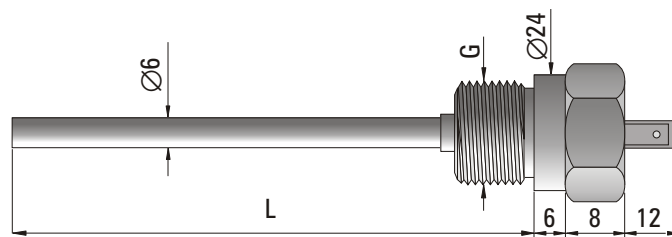
type 991



type 992



type 993



SPECIFICATION

Application

temperature measurement of liquid, gases and solids in receptacles, ducts and pipelines.

Sensor type **991** with ceramic terminal block and cap with cable gland P7.

Sensor type **992** with industrial connector (socket-plug).

Sensor type **993** with two flat quick-connect terminations 6,3x0,8mm acc. to EN 61210:2010.

Temperature range

-40°C...+200°C (**TP-991, TP-992**), -40°C...+150°C (**TP-993**)

Measuring element

platinum resistor (**Pt100**), (**Pt500**), (**Pt1000**)⁽¹⁾

Class of processing element

B⁽²⁾

Assembly

2, 3 or 4 wires

Sheath and body material

steel 1.4541

Roughness of sheath surface

$R_a < 0,8 \mu m^{(2)}$

Maximum operating pressure

1,6 MPa

Connector operating temperature

-40°C...+125°C

Protection class

IP65

Thread G

M12x1,5; M14x1,5; M20x1,5; G3/8"; G1/2" ⁽³⁾ (on demand without thread)

Additional accessories

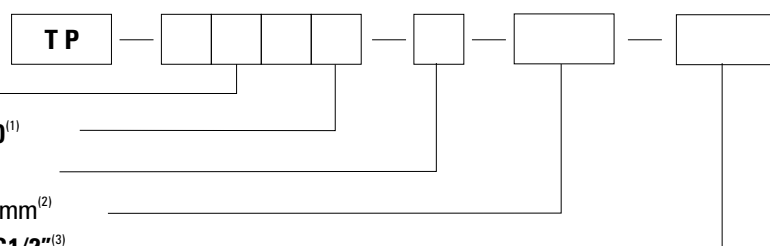
thermowell for welding

⁽¹⁾ Ni100, Ni1000 on demand

⁽²⁾ Other parameters according to customer requirements

⁽³⁾ Other threads inch and metric on demand

ORDERING CODE



Sensor type **991, 992, 993**

Measuring element **Pt100, Pt500** or **Pt1000**⁽¹⁾

Single **(1)** or double **(2)** measuring element

Sensor length L = **50, 85, 100, 150** or **200** mm⁽²⁾

Thread G = **M14x1,5; M20x1,5; G3/8"** or **G1/2"**⁽³⁾

Example for order:

TP-992Pt100-1-100-M20x1,5 sensor with single Pt100 resistor of length L = 100 mm with thread (G) M20x1,5 and with industrial connector.