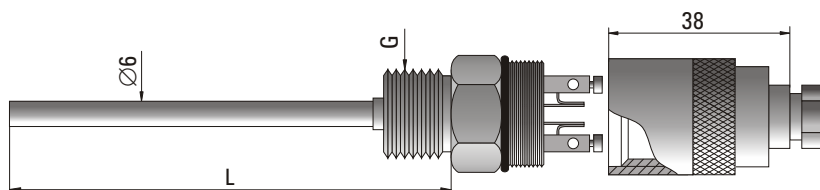
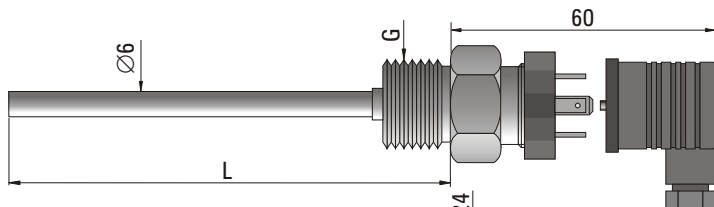


TEMPERATURE SENSOR

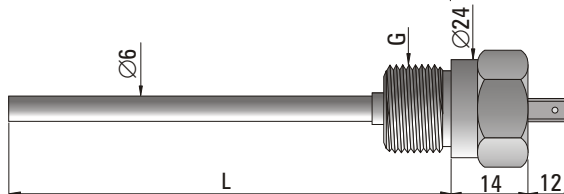
type 991



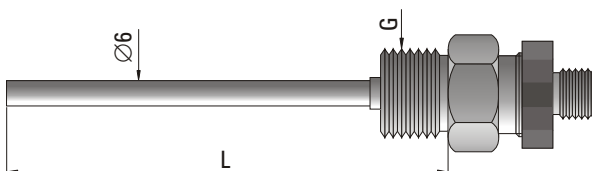
type 992



type 993



type 994



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 (EN 61210:2010)

Sensor type **994** with industrial connector M12 (4-pin male socket)

Temperature range

-40°C... +200°C (**TP-991, TP-992, TP-994**),

-40°C... +150°C (**TP-993**)

Measuring element

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

Class of processing element

class B (class A on request)

Assembly

2, 3 or 4 wires (**TP-991, TP-992, TP-994**), 2-wires (**TP-993**)

Sheath and body material

steel 1.4541, tube dia.6mm (other on demand)

Roughness of sheath surface

$R_a < 0,8 \mu\text{m}$

Maximum operating pressure

1,6 MPa

Connector operating temperature

-40°C... +125°C

Protection class

IP65 (**TP-991, TP-992, TP-994**), IP00 (**TP-993**)

Thread **G**

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

Additional accessories

thermowell for welding (ordered separately)

ORDERING CODE



Sensor type **991, 992, 993, 994**

Measuring element **Pt100, Pt500, Pt1000** (other demand)

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

Sensor length $L = 50, 85, 100, 150, 200$ mm (other demand)

Thread **G = M12x1,5, M14x1,5, M20x1,5, G3/8", G1/2"** (other demand)

Additional requirements: class A, different diameter, female plug for type 994

Example for order: TP-992Pt100-1-100-M20x1,5 sensor with single Pt100 resistor of length $L = 100$ mm with thread M20x1,5 and with industrial connector.