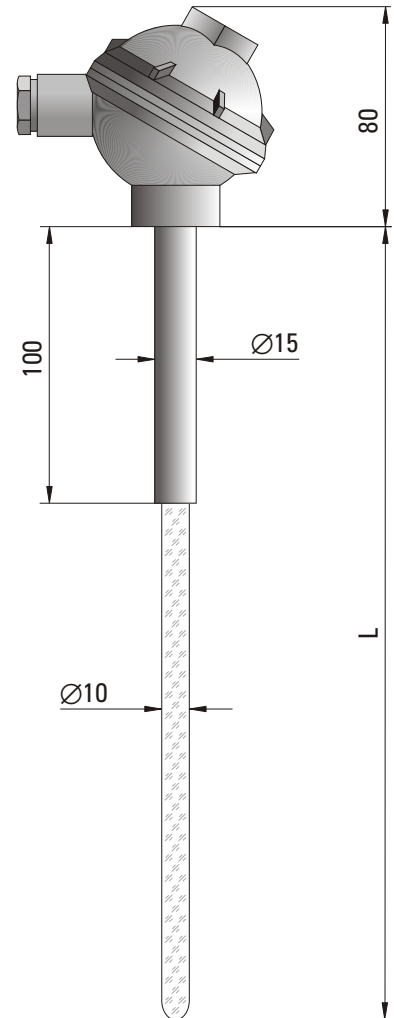


TEMPERATURE SENSOR

type 816

SPECIFICATION

Application	temperature measurement in strongly caustic and aggressive environments e.g. in alkali, salt, organic and mineral acids with the exception of phosphoric and hydrofluoric acids
Temperature range	0°C... +500°C
Measuring element	platinum resistor (Pt100) ⁽¹⁾
Class of processing element	B ⁽²⁾
Conductor material	wire Cu/Ni
Assembly	2, 3 or 4 wires
Spacer diameter	Ø15 mm
Glass sheath diameter	Ø10 mm
Sensor length L	300, 500, 700 mm ⁽²⁾
Connection head type	NS
Connection head material	plastics NORYL ⁽³⁾
Sheath material	glass SiO₂ 99,98%
Spacer material	plastics ERTALON
Head and spacer operating temperature	-40°C... +100°C
Additional accessories	temperature transmitter

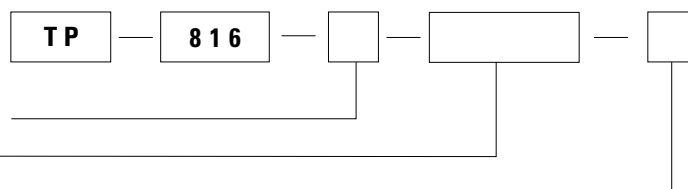


⁽¹⁾ Pt500, Pt1000, Ni100, Ni1000 on demand

⁽²⁾ Other parameters according to customer requirements

⁽³⁾ Acid resistant connection head on demand

ORDERING CODE



Single (1) or double (2) measuring element
 Sensor length L=300, 500 or 700 mm⁽²⁾
 Option with the head-mount transmitter T

Example for order: TP-816-1-300 sensor with single Pt100 resistor in glass sheath of outer diameter Ø=10 mm and length L = 300 mm.
 TP-816-1-300-T; TCH-2120-Pt100 sensor with the head-mount transmitter type TCH-2120-Pt100.