



Pt100 sensor Y thermowell, flange and terminal head

Model 7860000, built on order

Construction

The measurement insert consists of flange and terminal head and is intended to be used with a so called Y thermowell. The thin flange of the thermowell is to be squeezed between the sensor's flange and the flange of the process vessel.

Example of use

The thermowell is usually used to protect the sensor from chemically aggressive environments.

Maximum temperature

Measuring probe: 250 °C or 600 °C depending on probe construction.

Probe insert, replaceable

| Pt100 resistor (IEC 60751) |
|-----------------------------------|
| Pt100 class A |
| Pt100 1/3 DIN |
| Pt100 1/5 DIN |
| Pt100 1/10 DIN |

| Model | Max. temperature |
|--------------|-------------------------|
| 7264001 | 250 °C |
| 7264200 | 600 °C |

Diameter: Adjusted to the measures of the Y thermowell.

Length = L1+L2+27 mm

Y thermowell

| Ø d, mm | Material |
|----------------|------------------|
| Ø10, 12, 13,72 | Hasteloy. C-276: |
| Ø10 | Titanium Gr2 |
| On request | Tantalum |

Process connection

Flange according to DIN 2527
Material EN 1.4404/1.4432/1.4435

| Dimensions | Pressure class |
|-------------------|------------------------------|
| DN10...DN150 | PN16 (=PN10) PN40 (=PN25) |
| DN200...DN300 | PN10, PN16, PN25, PN40 |

For other alternatives please contact Pentronic.

Terminal head

Adjustable.
Cable gland M20x1.5.

| Typ | Lock | Material |
|------------|---------------------------|-------------------------------|
| DNAG | Screw-on lid | Grey lacquered aluminium |
| Form B | Lid fixed with two screws | Grey lacquered aluminium |
| DAN | Hinge lid | Grey lacquered aluminium |
| BBK | Screw-on lid | Glass fiber armoured Polyamid |
| SEG | Screw-on lid | Rostfritt stål |

For other alternatives please contact Pentronic.

Signal connection

| |
|------------------------------------------|
| Stripped wires |
| Transmitter. To be specified separately! |
| Terminal block |

| Connection |
|-------------------|
| 4 wire |
| 3 wire |
| 2 wire |

Certificate

Test value: Certificate EN10204 3.1

Please contact Pentronic for advice.