

PT100 Sensor

DS2532



Features:

- Accurate
- Stable
- Customisable

Description:

Platinum Resistance Thermometers (PRTs)

PT 100 sensors (also denoted as RTD) are more accurate and stable than thermocouples and can be used over a lower temperature range. Sensors can be used over the range -196°C to 550°C. We have the capability to manufacture most designs of PRTs and can offer either fabricated or mineral insulated assemblies.

PRT Element Types

We use either thin film or wire-wound elements. Thin film elements are suitable for temperatures up to 450°C whereas wire-wound bulbs can be utilised at temperatures above this range. TT Electronics offers PT100 elements to Class A, Class B, 1/3 DIN, 1/5 DIN and 1/10 DIN. PT1000 and Cu90 elements are also available.

PRT Sensors

PRT elements are supplied as sensors housed in a 316 Stainless Steel protection sheath (other options are available upon request) with standard diameters from 3 to 8mm. Sensors can be terminated in flying leads, cables, connectors or connection heads. Sensors are available as 2, 3 or 4 wire configuration simplex or duplex.

Fabricated Pockets and Drilled Thermowells

Sensors can also be housed in either a fabricated pocket or a thermowell drilled from solid bar.

Standard fabricated pockets are available in a large number of diameters from 9.5 to 27mm. Pockets are available with threaded & flanged process connections (either fixed or adjustable).

Drilled from solid bar, thermowells are available in most designs and steel types. Drilled thermowells usually have threaded or welded flange connections.

TT Electronics manufactures PRT sensors to meet customer requirements please contact our sales office for a quotation.



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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