

Platinum Temperature Sensors

TT-PT SERIES



Thin film Platinum Resistance Temperature Detectors from TT-PT group are very commonly used components in industrial applications thanks to very high precision and long term stability. Tewa Temperature Sensors offers three standard types of PT RTDs: PT100, PT500 and PT1000, that can be provided in standard tolerance classes.

FEATURES:

Operating Temperature Range between -40°C and 500°C
High quality materials used for production assure very good long term stability and reliability also at high temperature
Good High Voltage withstanding provided by ceramics that is used for surface coating
Very good resistance against shock and vibrations

APPLICATIONS:

Liquid or gas temperature control and monitoring
Industrial applications
As a sensing element used in wide range of standard and custom temperature sensors manufactured by Tewa Temperature Sensors
Others

Resistance values	100Ohm, 500Ohm, 1000Ohm
Resistance tolerance	class A, B, 1/3B
B values	Temperature coefficient 3850ppm/k
Minimum operating temperature	-70°C
Maximum operating temperature	500°C
Wires/cables:	NiPt, AgPd5, Pt
Dimensions	Typical 2.1x2.3x0.9mm
Packing	Bulk

Thermocouple

TT-TCO SERIES



Products from TT-TCO series group are thermocouple sensors which are commonly used for temperature measurement in wide range of industrial applications. The main advantages of Tewa Temperature Sensors thermocouples are: wide range of sizes, resistance to harsh environment, high reliability and measurement precision.

FEATURES:

Excellent stability at high temperature applications provided by high quality materials
Fast response time
Good bending ability of probe's metal tip
Very good mechanical and chemical resistance even for small diameter probes

APPLICATIONS:

Liquid or gas temperature control and monitoring
Wide range of Industrial applications
Others

Thermocouple types	K, J, others
Tolerance	tolerances according to IEC 584
B values	-
Minimum operating temperature	-200°C
Maximum operating temperature	1150°C
Wires/cables:	Inconel 600, s.s.304, s.s.316, silicone, teflon
Dimensions	diameter 0.25mm ÷ 8mm
Packing	Bulk

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temperature
sensing
solutions for:



BOILERS



REFRIGERATION



AIR CONDITIONING
& VENTILATION



BIOMEDICAL



INSTRUMENTATION



CUSTOM DESIGNS

Automotive:

Discrete thermistor & assemblies. Industry standard curves, connectors, housings.

Chemical industry:

Glass thermistor probes. Custom housing and curves.

HVAC:

Boiler probes. Special Housing. Custom designs. Overmolded IP68 Sensors.

Biomedical:

YSI 400 Standard curves. Custom electrical and physical designs. Miniature sensors.

Space and Military:

Supplier to Soviet-Era programs.

Instrumentation:

Standard curves. Custom electrical and physical designs. Miniature sensors.

Communication:

Chip thermistors. Custom designs. Miniature sensors.

Aviation:

Discrete thermistors. Custom designs.

Other applications:

Versatile probes designs.