WINTERS Instruments

Excellence Since 1953



RTDs & THERMOCOUPLES

WINTERS INSTRUMENTS

MANUFACTURER OF INDUSTRIAL INSTRUMENTATION

www.winters.com

WINTERS Instruments
Excellence Since 1953

RTDs & Thermocouples - Single Point

Winters RTDs and Thermocouples

RTDs and Thermocouples are electronic temperature sensors capable of measuring temperatures from -328°F to 3,272°F (-200°C to 1,800°C). Combined with their high accuracy and durability, it enables them to be used in a variety of industrial applications. Multiple options such as different materials, enclosure ratings and more are available to fit your application.



TER Industrial RTD

- High accuracy Platinum element (Pt100)
- Light weight aluminum connection enclosure
- 2 wire 4-20mA output signal standard
- 316 SS sheath material
- IP54 or ATEX rated enclosure available
- 5 year warranty

TET Industrial Thermocouple

- Type J & K thermocouple sensors offering a wide temperature range; other types available upon request
- Light weight aluminum connection enclosure
- Terminal connections standard
- 316 SS sheath material
- IP54 or ATEX rated enclosure available
- Available with or without 316 SS thermowells
- 5 year warranty

WinSMART™ TY52 Temperature Transmitter

- High accuracy platinum PT100 element
- Heavy duty die-cast aluminum housing
- All stainless steel wetted parts
- Hazardous area rated
- 5 year warranty



Applications

- Refineries, petrochemical plants, gas-to-liquid (GTL) processes, storage tanks, low density polyethylene processes, power plants, paper production plants, kilns, food & beverage, etc

Accessories & Options

- **Connection Head**
  - Aluminum
  - Stainless Steel
- **Thermowell**
  - Flanged
  - Threaded
  - Sanitary
  - And others
- **With or Without Terminal Block (leads)**
- **Transmitter**
  - 4/20 mA
  - 1/5 VDC
  - Modbus R8485
  - HART®

Multi-point

Multi-point temperature sensors are industrial devices that measure temperatures at different points along the length of the sensor. Winters provides a range of these sensors ranging from single probe tubular devices housing a number of profiling points, right up to heavy duty thermowell designs with guide tubes, allowing sensor removal without shutting down the reactor or vessel. Winters' Multi-point sensors are frequently used in chemical, petrochemical and refining industries, providing an excellent temperature measurement solution for chemical reactors, catalytic crackers and fractionation towers.





High Pressure

Winters high pressure thermocouples are manufactured using vacuum brazing techniques. This process maintains quality and consistency, as vacuum brazing is a completely automated and controlled technique, this eliminates human errors during the soldering process. Offered in thread-in type or in-line flow through ring design, these sensors can be used in applications up to 100,000 PSI, such as Low Density PolyEthylene (LDPE) processes.

Tube Skin

Tube skin thermocouples accurately measure surface temperature in fired process furnaces and boilers. The sensor comes with a protection pad (weld pad) at the tip of the thermocouple. The protection pad is designed to minimise disruption and damage to the device, caused by flame impingement and radiant heat. There are a number of applications for tube skin thermocouples. Each process requires sensors that are purposely designed and matched with the furnace or boiler.



Additional Services

- Calibration Certificates, individual and batch
- Hydrostatic Pressure Tests
- Wave Frequency Calculation
- And others

WINTERS INSTRUMENTS

MANUFACTURER OF INDUSTRIAL INSTRUMENTATION



Winters Instruments is a global manufacturer of premium quality pressure and temperature instrumentation, with distribution partners in over 90 countries. Please contact us for your nearest Regional Manager.

Corporate - Canada
Winters Instruments
121 Railside Road
Toronto, Ontario
M3A 1B2
Tel: 416-444-2345
1-800-WINTERS
sales@winters.com

Canada - Edmonton
Winters Instruments
7503 Girard Road, #100
Edmonton, Alberta
T6B 2H2
Tel: 403-723-6645
1-800-WINTERS
sales@winters.com

USA - Houston
Winters Instruments
5400 W. Sam Houston Pkwy N.
Houston, Texas
77041
Tel: 281-880-8607
1-800-WINTERS
usasales@winters.com

Europe - Middle East - Africa
Winters Instruments
Dubai Airport Free Zone
6WB G50
Dubai, United Arab Emirates
Tel: 971-4295-9177
emeasales@winters.com

Asia - Shanghai
Winters Instruments
Room 203, Building 8,
No. 471, Guiping Road
Shanghai
200233
China
Tel: 86-21-6104-2610
asiasales@winters.com
www.wintersasia.com

Latin America
Winters Instruments
Lamadrid 121
Los Troncos del Talar,
B1608CEC
Buenos Aires, Argentina
Tel: 54-11-4715-3036
latinsales@winters.com
www.winters.com.ar

Distributed by:

Download Winters' literature at www.winters.com
Winters Instruments is ISO 9001: 2015 Registered

02/25
MKT5229