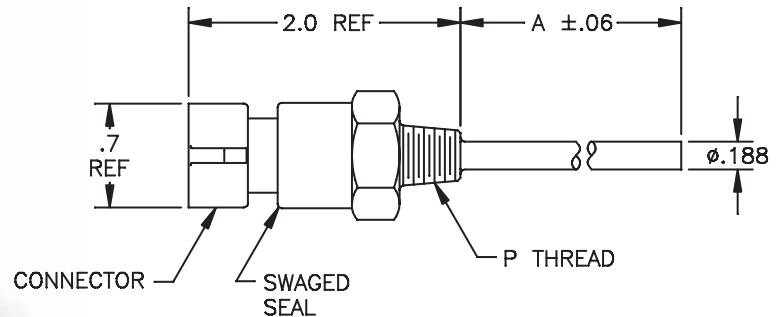
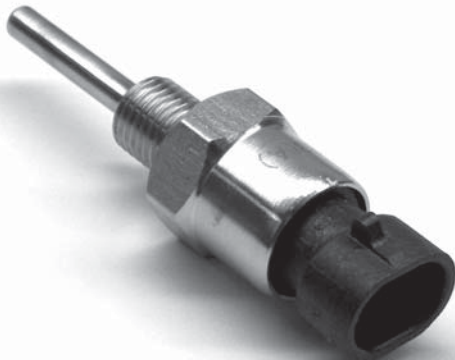


Compact Plug Sensor



Overview

The S205459 is a platinum RTD temperature sensor with convenient plug in connection.

- Sensor measuring and operating range is from -50 to 300°F (-45.5 to 148.9°C).
- Connection is made using an industry-standard Packard/Delphi: Metri-pack 150 connector

Specifications

Temp Range: -50 to 300°F (-45.5 to 148.9°C)

Case Material: 316 Stainless Steel

Connector: Packard /Delphi METRI-PACK 150

Pressure Rating:

Stainless Steel: 1500 psi

Brass: 500 psi

Insulation Resistance: 1000 megaohms min at 500 V

Vibration: Withstands 10 to 2000 Hz at 20 G's min per MIL-STD-202, Method 204 Test Condition D

Shock: Withstands 100 G's min sine wave shock of 8 milliseconds duration.

Sensor Housing: Stainless steel sensor end with a choice of NPT threads; end connector (Packard/Delphi: Metri-pack 150)

Specification and order options

S205459	Model number: S205459 Compact Plug Sensor
PD	Element Type: PD Platinum (0.00385 TCR) 100Ω +/- 0.12% at 0°C PF Platinum (0.00385 TCR) 1000Ω +/- 0.12% at 0°C
20	Case Length: 10 = 1.0" 20 = 2.0" 30 = 3.0" 40 = 4.0"
P2	Thread size: P2 = 1/8" -27 NPT P4 = 1/4" -18 NPT P6 = 3/8" -18 NPT P8 = 1/2" -14 NPT
S	Case Material: S = Stainless Steel
S205459PD20P2S = Sample Part Number	

Contact Minco to learn more about custom design options for your application.

S205459 Mating Cable Assembly

- 72" Shielded cable
- 2-conductor, AWG #18, copper braid shield with drain wire
- Terminated with a female Metri-pack 150 connector

Specification and order options:

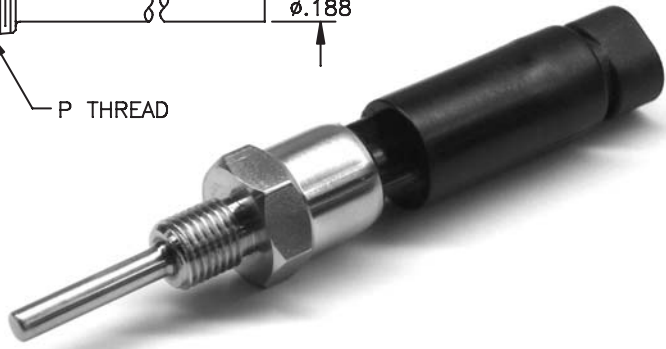
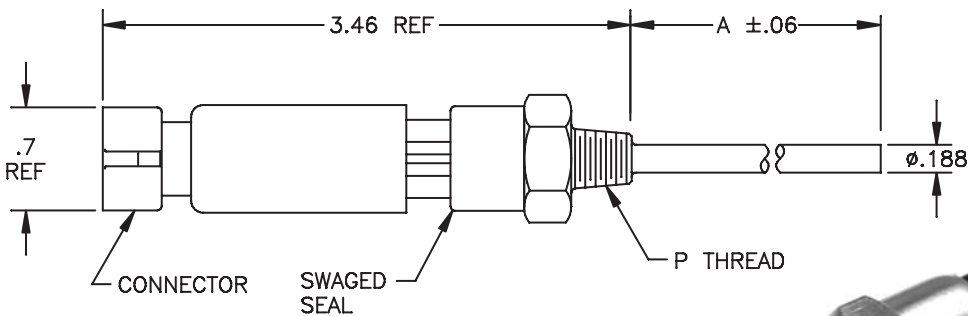
S205459 Mating Cable Assembly

AC203350	Model Number: AC203350
L72	72" lead length
AC203350L72 = Sample Part Number	

Specifications subject to change

Page Rev. 04/2011

Integrated Sensor/Transmitter



Overview

The TT363 is an integrated platinum RTD temperature sensor with 4-20mA current loop output. Combines transmitter capability with a platinum sensing element in a single package for an easier-to-install temperature sensing solution.

- Power and signal are provided through a 4-20mA current loop connection.
- Sensor measuring and operating range is from -50 to 300°F (-45.5 to 148.9°C).
- The high-temperature plastic case and electronics can be used in applications with an ambient temperature up to 185°F (85°C).
- Connection is made using an industry-standard Packard/Delphi: Metri-pack 150 connector.

Specifications

Output: 4-20mA over range specified, linear with temperature.

Sensor Operating Temperature: -50 to 300°F (-45.5 to 148.9°C)

Ambient Temperature:

Operation: -40 to 185°F (-40 to 85°C), non-condensing
Storage: -67 to 212°F (-55 to 100°C), non-condensing

Supply Voltage: 7.6 to 35VDC, reverse polarity protected

Loop resistance: Maximum allowable resistance of the signal-carrying loop, including wires and load resistors given by: $R_{loopmax} = (V_{supply} - 7.6) / .02Amps$

Warmup drift: Less than +/-0.025mA; stable within 30 minutes.

Ambient temperature error: Less than +/-0.15mA

Voltage Stability: Change in loop current < ±.01 mA from 7.6 to 35 VDC

Sensor Housing: Stainless steel sensor case with a choice of NPT threads; transmitter body is nylon with 30% glass plastic encapsulation; end connector (Packard/Delphi: Metri-pack 150)

Specification and order options

TT363	Model number: TT363 Temperature Sensor/Transmitter
AN	Range Code: Temperature range code [AN = -17.8 to 148.9°C(0 to 300°F)]
20	Case Length: 10 = 1.0" 20 = 2.0" 30 = 3.0" 40 = 4.0"
P2	Thread size: P2 = 1/8 -27 NPT P4 = 1/4 -18 NPT P6 = 3/8 -18 NPT P8 = 1/2 -14 NPT
S	Case Material: S = Stainless Steel
TT363AN20P2S = Sample Part Number	

Contact Minco to learn more about custom design options for your application.

TT363 Mating Cable Assembly

- 72" Shielded cable
- 2-conductor, AWG #18, copper braid shield with drain wire
- Terminated with a female Metri-pack 150 connector

Specification and order options:

TT363 Mating Cable Assembly

AC203350	Model Number: AC203350
L72	72" lead length
AC203350L72 = Sample Part Number	

Specifications subject to change

Conductivity Level Sensor



Overview

The LT364 Level Sensor provides point fluid detection with virtually any conductive fluid. Two 316 stainless steel pins provide for operation in mildly corrosive fluids within plastic or metal containers. Fluid presence is measured by passing a low voltage AC signal between the stainless steel probes. The use of an AC voltage eliminates the effects of galvanic corrosion on the probes. Power to the sensor and output from the sensor is derived from a current loop. Sensor output is 8 mA with fluid present and 16 mA with no fluid present.

- No calibration necessary.
- Injection molded, high-temperature plastic case.
- Electronics can be used in applications with an ambient temperature up to 185°F (85°C).
- Connection is made using an industry-standard Packard/Delphi Metri-pack 150 connector providing an easy-to-connect, polarized connection.

Application Ideas

- Radiator low-fluid level detection
- Pump recovery tanks
- Fluid leak detection
- Parts washers
- Automated test equipment

Specifications

Sensor Output:

8 mA ± 1 mA with fluid present and 16 mA ± 1 mA with no fluid present

Ambient Temperature (electronics):

Operation: -40 to 185°F, non-condensing
Storage: -67 to 212°F, non-condensing

Supply Voltage: 7.6 to 35VDC, reverse polarity protected

Loop resistance: Maximum allowable resistance of the signal-carrying loop, including wires and load resistors given by: $R_{loopmax} = (V_{supply} - 7.6) / .02 \text{ Amps}$

Voltage Stability: Change in loop current < ±.01 mA from 7.6 to 35 VDC

Sensor Housing: $\frac{3}{8}$ - 18 NPT process thread, nylon with 30% glass plastic encapsulation; end connector is Packard/Delphi Metri-pack 150.

Weight: Approximately 2.5 oz (70 g)

Specification and order options

LT364	Model number: LT364 Level Sensor
-------	----------------------------------

Variable lengths are available. Contact Minco to learn more about custom design options for your application.

LT364 Mating Cable Assembly

- 72" Shielded cable
- 2-conductor, AWG #18, copper braid shield with drain wire
- Terminated with a female Metri-pack 150 connector

Specification and order options

LT364 Mating Cable Assembly

AC203350	Model Number: AC203350
----------	------------------------

L72	72" lead length
-----	-----------------

AC203350L72 = Sample Part Number	
----------------------------------	--

Specifications subject to change

Page Rev. 04/2011