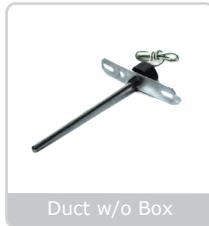




Featured Platinum RTD Product

Duct



Duct w/o Box



Immersion, Two Piece Well



Immersion, Machined Well



Immersion w/o Well



Copper Averaging



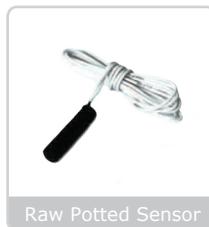
Flexible Averaging



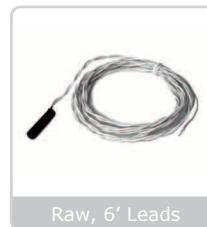
Strap



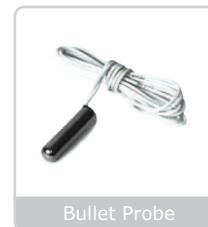
Outdoor Air



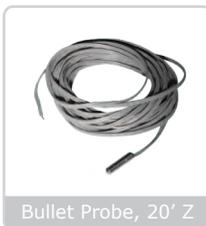
Raw Potted Sensor



Raw, 6' Leads



Bullet Probe



Bullet Probe, 20' Z



Rigid Averaging

# PLATINUM RTDS

## General Mounting

ACI offers a comprehensive selection of general mounting configurations for Platinum RTDs (see list above). These sensors provide a predictable and accurate output over the specified temperature range. Each sensor configuration is designed and manufactured for long-term quality and performance. ACI incorporates standard features, such as double encapsulation and etched Teflon leads where applicable.

The ACI Platinum RTD Series is covered by ACI's Five (5) year limited warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).



**SPECIFICATIONS**

<b>Accuracy</b>	Single Point: +/-0.06% @ 32°F (0°C)	<b>Sensor Output [A/1K]</b>	1KΩ @ 32°F (0°C)
<b>Averaging</b>	+/- 1.0 Ohm @ 32°F	<b>Operating Temp Range</b>	Averaging: -50 to 275°F (-45.5 to 134.8°C)
<b>Stability</b>	+/-0.13°C (+/-0.23°F)	<b>Temperature Coefficient</b>	0.00385 Ohm/Ohm/°C
<b>Repeatability</b>	+/-0.36°F (+/- 0.2°C)	<b>Standardization</b>	DIN-IEC-751
<b>Operating Temp Range</b>	Single Point: -58 to 392°F (-50 to 200°C)	<b>Resistance Characteristics</b>	Standard +/- 0.06% Class A
<b>Sensor Output [A/100]</b>	100KΩ @ 32°F (0°C)	<b>Product Dimensions</b>	Please reference pages 5, 6, 7 & 8

**ORDERING**

Select one Series (A), one Configuration (B), one Length (C), one Enclosure (D) & one Lead Wire (E) (optional). **NOTE:** See Thermowell data sheet for proper well selection for all Immersion related sensors. Enclosure options (D) include Plastic Box (PB), Galvanized Box (GD), NEMA 3R (BB), NEMA 4X (4X), & Euro Housing (EH). The Plastic Box (PB) is rated from 0 to 203°F. Stay within the same row throughout the selection process for all General Mounting pages. ▶

**A** Sensor Series

A/1K-2W (1K Ohms, 2 wires)     A/1K-3W (1K Ohms, 3 wires)     A/100-2W (100 Ohms, 2 wires)     A/100-3W (100 Ohms, 3 wires)

B Configuration	C Length	D Enclosure	E Lead Wire
<input type="radio"/> D (Duct) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> DO (Duct w/o Box) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> I (Immersion, Two Piece Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> IM (Immersion, Machined Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 12" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> INW (Immersion w/o Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 12" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> A (Copper Averaging) ▶	<input type="radio"/> 8' <input type="radio"/> 12' <input type="radio"/> 24' <input type="radio"/> 50' <input type="radio"/> 80' <input type="radio"/> 100' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> FA (Flexible Cable Averaging) ▶	<input type="radio"/> 8' <input type="radio"/> 12' <input type="radio"/> 24' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> RA (Rigid Averaging) ▶	<input type="radio"/> 12" <input type="radio"/> 18" <input type="radio"/> 24" <input type="radio"/> 36" <input type="radio"/> 48" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> S (Strap) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> ---- <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> O (Outdoor Air) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- <input type="radio"/> ---- <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> W (Raw Potted Sensor) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> W-6' (Raw w/6' Leads) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> BP (Bullet Probe) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> BP-20'Z (BP, 20' of Zip Wire) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)

**BUILD PART NUMBER**

After completing (A), (B), (C), (D) & (E) from the above table, fill in the Part Number Table below. An example part number is provided.

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>

EXAMPLE: A/1K-2W - D - 4" - PB

CE exception: Averaging units and any other configuration with leads longer than 3 meters. The Plastic Box has a UL94-HB rating. The NEMA 4X enclosure has a UL94-V2 flammability rating. The Euro Housing enclosure has a UL94-V0 flammability rating.

