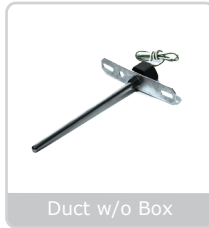




Featured Platinum RTD Product

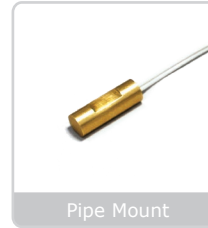
Duct



Duct w/o Box



Rigid Averaging



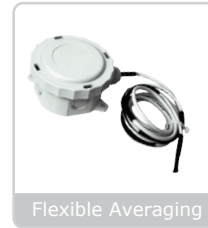
Pipe Mount



Immersion w/o Well



Copper Averaging



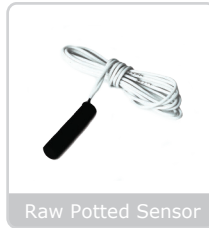
Flexible Averaging



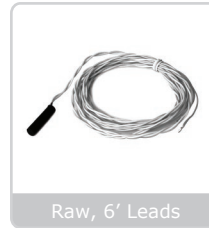
Strap



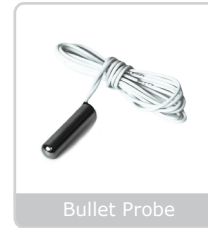
Outdoor Air



Raw Potted Sensor



Raw, 6' Leads



Bullet Probe



Immersion, Two Piece Well



Immersion, Machined Well

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.



SPECIFICATIONS

Accuracy	Single Point: +/-0.06% @ 32°F (0°C)	Sensor Output [A/1K]	1KΩ @ 32°F (0°C)
Averaging	+/- 1.0 Ohm @ 32°F	Operating Temp Range	Averaging: -50 to 275°F (-45.5 to 134.8°C)
Stability	+/-0.13°C (+/-0.23°F)	Temperature Coefficient	0.00385 Ohm/Ohm/°C
Repeatability	+/-0.36°F (+/- 0.2°C)	Standardization	DIN-IEC-751
Operating Temp Range	Single Point: -58 to 392°F (-50 to 200°C)	Resistance Characteristics	Standard +/- 0.06% Class A
Sensor Output [A/100]	100Ω @ 32°F (0°C)	Product Dimensions	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. A/100-2w and A/100-3w sensors are not available in averaging configurations (A, FA, and RA). 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"/> 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"/> INW (Immersion w/o Well) ▶	<input type="radio"/> 1" <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"/> PM (Pipe Mount) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> PM (Pipe Mount, Plenum Cable) ▶	<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

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.

A	B	C	D

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

The ACI Mars Plastic Duct housing (PB) has been tested to and complies with the requirements specified in the UL 2043 Standard for Fire Test for heat and visible smoke release for discrete products and their accessories installed in air-handling spaces. 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. CE exception: Averaging units and any other configuration with leads longer than 3 meters. 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.

