Featured Platinum RTD Product

Duct
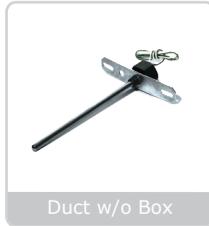
Duct w/o Box
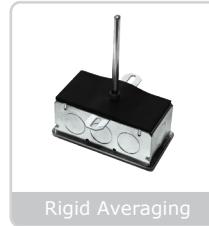
Rigid Averaging

Pipe Mount

Immersion w/o Well

Copper Averaging

Flexible Averaging

Strap

Outdoor Air

Raw Potted Sensor
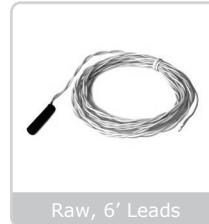
Raw, 6' Leads

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.

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.

TEMPERATURE

SPECIFICATIONS

Accuracy	Single Point: +/-0.06% @ 32ºF (0°C)	**Sensor Output [A/1K]**	1KΩ @ 32°F (0°C)
Averaging	+/- 1.0 Ohm @ 32ºF	**Operating Temp Range**	Averaging: -50 to 275°F (-45.5 to 134.8°C)
Stability	+/-0.13ºC (+/-0.23ºF)	**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 203ºF. 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
○ **D** (Duct) ▶	○ **4″** ○ **6″** ○ **8″** ○ **12″** ○ **18″** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **DO** (Duct w/o Box) ▶	○ **4″** ○ **6″** ○ **8″** ○ **12″** ○ **18″** ▶	○ ---- (No Enclosure) ▶	○ **6′CL2P** ○ **10′CL2P** ○ **20′CL2P**
○ **I** (Immersion, Two Piece Well) ▶	○ **2.5″** ○ **4″** ○ **6″** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **IM** (Immersion, Machined Well) ▶	○ **2.5″** ○ **4″** ○ **6″** ○ **8″** ○ **12″** ○ **18″** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **INW** (Immersion w/o Well) ▶	○ **1″** ○ **2.5″** ○ **4″** ○ **6″** ○ **12″** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **A** (Copper Averaging) ▶	○ **8′** ○ **12′** ○ **24′** ○ **50′** ○ **80′** ○ **100′** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **FA** (Flexible Cable Averaging) ▶	○ **8′** ○ **12′** ○ **24′** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **RA** (Rigid Averaging) ▶	○ **12″** ○ **18″** ○ **24″** ○ **36″** ○ **48″** ▶	○ PB ○ GD ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **S** (Strap) ▶	○ ---- (No Length) ▶	○ PB ○ GD ○ ---- ○ 4X ○ EH ▶	○ ---- (N/A)
○ **O** (Outdoor Air) ▶	○ ---- (No Length) ▶	○ ---- ○ ---- ○ BB ○ 4X ○ EH ▶	○ ---- (N/A)
○ **W** (Raw Potted Sensor) ▶	○ ---- (No Length) ▶	○ ---- (No Enclosure) ▶	○ ---- (N/A)
○ **W-6′** (Raw w/6′ Leads) ▶	○ ---- (No Length) ▶	○ ---- (No Enclosure) ▶	○ ---- (N/A)
○ **BP** (Bullet Probe) ▶	○ ---- (No Length) ▶	○ ---- (No Enclosure) ▶	○ **6′CL2P** ○ **10′CL2P** ○ **20′CL2P**
○ **PM** (Pipe Mount) ▶	○ ---- (No Length) ▶	○ ---- (No Enclosure) ▶	○ ---- (N/A)
○ **PM** (Pipe Mount, Plenum Cable) ▶	○ ---- (No Length) ▶	○ ---- (No Enclosure) ▶	○ **6′CL2P** ○ **10′CL2P** ○ **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	E

EXAMPLE: A/1K-2W - D - 4″ - PB