



FREEZER RTDS

Platinum RTDs

The A/100-LTS, A/1K-LTS, A/TT100-LTS, and A/TT1K-LTS Series sensors and temperature transmitters incorporate a Class B, wire wound platinum RTD sensor which conforms to DIN-IEC-751 and DIN 43760 platinum RTD standards. They are designed to withstand the extreme temperature fluctuations that cause issues with standard temperature sensors in your typical freezer application.

The ACI Freezer RTD Series is covered by ACI's Two (2) 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.





SPECIFICATIONS

Sensor Accuracy (single point)	+/-0.54°F @ 32°F (0°C)
Sensor Accuracy (formula)	0.3°C + 0.005 X [t] = maximum error C*
Sensor Accuracy Class	Class B Tolerance
Combined Sensor & Transmitter Accuracy	+/-1.5% span
Stability	less than +/-0.1°C drift
Repeatability	+/-0.3°C (+/-0.54°F)
Sensor Operating Temperature Range	-198 to 150°C (-324 to 302°F)
Temperature Coefficient	0.00385 Ohm/Ohm/°C
Standardization	DIN-IEC-751 (formerly DIN 43760)
Product Dimensions (Lead Wire)	(L) 6, 10, 30, 50 & 100'
Product Dimensions (Glycol Kit)	Bottle: (H) 3.39" (DIA) 1.53" Bracket: (L) 1.50" (W) 1.82" (H) 2.60"
Product Dimensions (Glycol-3 PT-Kit)	Bottle: (H) 4.04" (DIA) 2.62" Bracket: (L) 3.00" (W) 2.63" (H) 3.36"
Product Dimensions (NEMA 3R)	(H) 4.58" (W) 2.82" (D) 2.25"
Product Dimensions (NEMA 4X)	(H) 3.70" (W) 2.55" (D) 2.22"
Product Dimensions (Galvanized Raco Box)	(H) 4.20" (W) 2.326" (D) 1.979"

* [t] = Numerical value of the temperature in °C without taking into account positive or negative signs.

ORDERING

Select one Series (A) & specify Span if necessary. Choose one Output (B), one Housing (C) & one Lead Wire (D). If a Bottle, or an additional accessory is desired, please complete (1) below.

A Sensor Series	B Output	C Housing	D Lead Wire
<input type="radio"/> A/100-LTS	<input type="radio"/> ---- (Resistive)	<input type="radio"/> ---- (No Housing)	<input type="radio"/> 6' (6 Foot Leads)
<input type="radio"/> A/1K-LTS	<input type="radio"/> 1 (1 to 5 VDC)	<input type="radio"/> GD (Galvanized Raco Box)	<input type="radio"/> 10' (10 Foot Leads)
<input type="radio"/> A/TT100-LTS (Specify Span)	<input type="radio"/> 2 (2 to 10 VDC)	<input type="radio"/> 4X (NEMA 4X)	<input type="radio"/> 30' (30 Foot Leads)
<input type="radio"/> A/TTM1K-LTS (Specify Span)	<input type="radio"/> 4 (4 to 20 mA)	<input type="radio"/> BB (NEMA 3R)	<input type="radio"/> 50' (50 Foot Leads)

1 Glycol (Bottle, Accessories)

- A/GLYCOL-BOTTLE (Single Probe)
- A/GLYCOL-BRACKET (Bracket Only)
- A/GLYCOL-KIT (Mounting Bracket & Glycol Bottle)
- A/GLYCOL-3PT-BOTTLE (Single Probe)
- A/GLYCOL-3PT-BRACKET (Bracket Only)
- A/GLYCOL-3PT-KIT (Mounting Bracket & Glycol Bottle)

BUILD PART NUMBER

After completing (A), (B), (C) & (D) from the above table, fill in the Part Number Table below. (1) is an additional configuration. An example part number is provided.

A	B	C	D

EXAMPLE: A/TT100-LTS - 1 - 4 - 4X - 10'

1

EXAMPLE: A/GLYCOL BOTTLE

