



Automation Components, Inc.

FREEZER RTD

Platinum RTDs



GLYCOL BOTTLE

H: 3.39"

DIAMETER

CAP: 1.10"

DIAMETER

BOTTLE: 1.53"

TEFLON LEAD

L: 30'



SENSOR OUTPUTS

Sensor	Output
A/100-LTS	100 Ohms @ 32° (0°C)
A/1K-LTS	1K Ohms @ 32° (0°C)
A/TT100-LTS	1-5VDC, 2-10VDC, or 4-20 mA
A/TT1K-LTS	1-5VDC, 2-10VDC, or 4-20 mA

FREEZER RTD

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, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's web site, which is: www.workaci.com.



Made in the U.S.A.

FREEZER RTD

Platinum RTDS

Automation Components, Inc.



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)

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

ORDERING (Sensors)

BUILD YOUR PART#

EXAMPLE

A/TT100-LTS - -200 to 0°F - 4 - 4X - 10'

A

B

C

D

E

STEP 1	A SENSOR SERIES	B SPAN	C OUTPUT	D HOUSING	E LEAD WIRE
Select sensor series, configuration, enclosure & lead wire.	A/100-LTS	*Please specify for all TT versions	(1) 1 to 5VDC	(--) None (standard)	(6') 6' Leads
	A/1K-LTS		(2) 2 to 10VDC	(GD) Galvanized Raco Box	(10') 10' Leads
	A/TT100-LTS*		(4) 4 to 20mA	(4X) NEMA 4X	(30') 30' Leads
	A/TT1K-LTS*			(BB) NEMA 3R	(50') 50' Leads
	A/TTM100-LTS*		*TT models require an output		(100') 100' Leads
	A/TTM1K-LTS*				*TT models can not support lead lengths greater than 10'

ORDERING (Glycol)

BUILD YOUR PART#

EXAMPLE

A/GLYCOL-3PT-KIT

A

STEP 1	A CONFIGURATION
Select glycol bottle. Does not include sensor (see above)	A/GLYCOL-KIT (Mounting bracket and glycol bottle)
	A/GLYCOL-3PT-KIT (Mounting bracket and glycol bottle with three sensor wells)
	A/GLYCOL BOTTLE (Single probe)
	A/GLYCOL BRACKET (Bracket only)



A/GLYCOL-KIT

A/GLYCOL-3PT-KIT