



Product Data

Freezer Sensors

Product Description

The ACI Freezer Sensor series is available with a 1K Nickel outputs. This sensor provide a predictable output over the specified temperature range of -50 to 275°F.

This series is designed to withstand the extreme temperature fluctuations that cause issues with standard temperature sensors in your typical freezer application. They come standard with 30' feet of Teflon leads and an optional Glycol bottle is available. (See ordering information on opposite side)

The ACI Freezer Thermistor 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.

Product Specifications

Output	1K Ohms @ 70°F (21°C)		
Accuracy	Temp	Resistance	Accuracy
	-50°F	674 Ohms	+/- 1.4°F
	-30°F	725 Ohms	+/- 1.2°F
	32°F	892 Ohms	+/- 0.5°F
	70°F	1000 Ohms	+/- 0.4°F
	170°F	1314 Ohms	+/- 1.3°F
250°F	1597 Ohms	+/- 1.7°F	
Operating Temp. Range	-32 to 275°F (0 to 134.8°C)		
Temp. Coefficient	0.00527 Ohm/Ohm/°C		
Tolerance	T<0°C (32°F)	+/-0.4 + 0.028 * T(°C)	
Tolerance	T>0°C (32°F)	+/-0.4 + 0.007 * T(°C)	

Wiring Diagrams available at www.workaci.com

Freezer Sensor



Attributes

- Offer high accuracy and interchangeability over a wide temperature range.
- Non-polarity sensitive

Applications

- Chemical Plants
- Meat Packing Plants
- Scientific Laboratories
- Freezers / Refrigerators
- Incubators
- Stability Chambers



Made in the USA

Automation Components, Inc.
 2305 Pleasant View Rd.
 Middleton, WI 53562
 PH: (608) 831-2585
 FAX: (608) 831-7407

TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

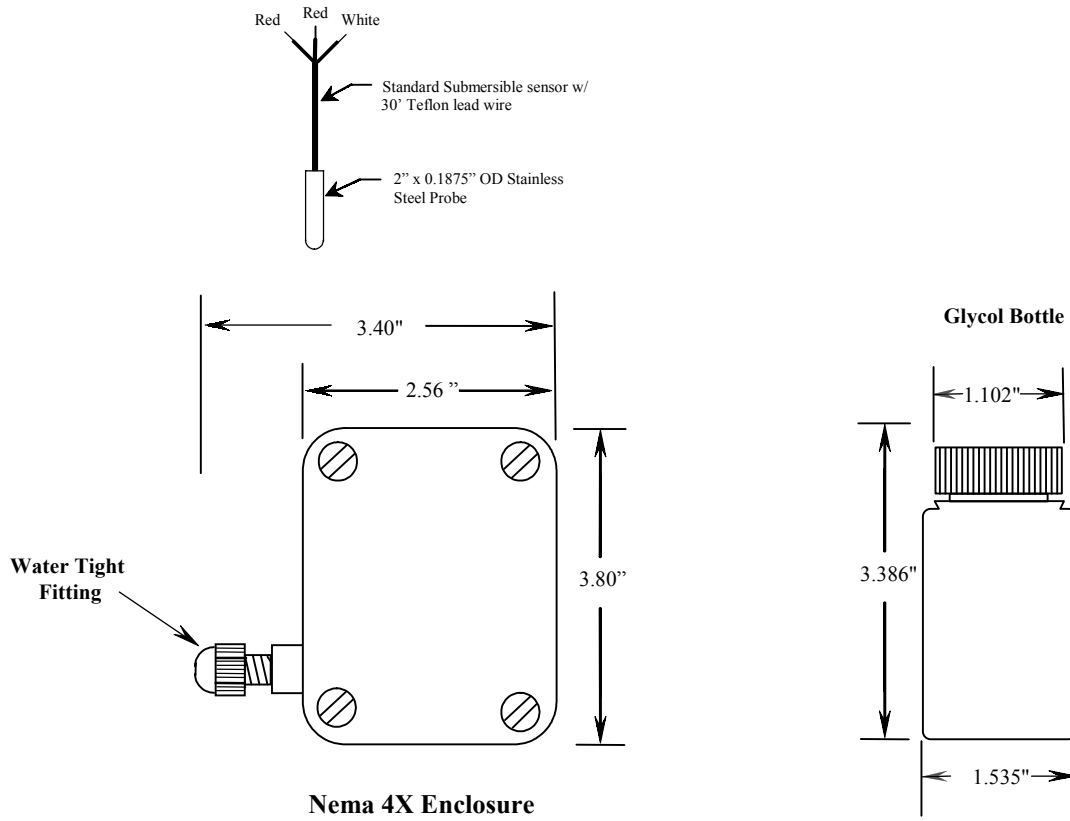
GAS SENSORS

ACCESSORIES

INTERFACE DEVICES

T-??

REMOTE PROBE



Ordering Information

Sensor	Configuration	Enclosure	Lead Wire Lengths
A/ []	- []	- []	- []
↑	↑	↑	↑
1K-Nickel	FRZ2"	() None (standard) (GD) Galvanized Raco Box (4X) Nema 4X	30'

A/GLYCOL BOTTLE