



Liquid Nitrogen Level Monitoring Sensor

Revision Date: 9/22/2024

Use Status: Available

Description:

This device constitutes an excellent alternative to our thermocouple amplifier for the monitoring levels of liquid nitrogen freezers and Dewars. The Cryo-6 probe is a good level sensor and is useful for determining when liquid nitrogen tanks need to be refilled. When the liquid nitrogen goes below the probe level, the temperature above increases and sets off an alarm. It's time to refill the tank. Disconnectable probes are available for situations where equipment is routinely moved or switched around. A programming change is all that is required when probes are moved to new equipment.

Rees Info	
General Info	
Centron Input Number	1.0
Centron 1	
TestWireless Reads	TPT6
Workstation Reads	Temperature in Deg. C.
Is it 4-20mA?	No

Power	
Comes with Transformer	False

Physicalities	
Color	Green, White, Silver
Material	SPC Braided Shield, FEP Teflon Insulation, 304 Stainless Steel
Is probe removable?	False
Cable Length (feet)	6.0
Probe Diameter (inches)	0.25
Probe Length (inches)	3.25
Probe Material	304 Stainless Steel

Sensor Info	
General Info	
Sensor Technology	Thermistor
Rees Calibrated	False
Factory Calibrated	False
Site Calibrated	False
Types of Measurands	Temperature
Measurands	
Temperature	
Measurement Min	-200.0
Measurement Max	-125.0
Measurement Units/Information	C
Accuracy	Approximate errors are $\pm 2^\circ$ at ten degrees from the calibrated point, and $\pm 6^\circ$ at 60° from the calibrated point.
Output	0-5 V