



Room Oxygen Monitoring Sensor

Revision Date: 9/22/2025

Use Status: Available

Description:

This sensor uses electrochemical gas sensor to detect the level of oxygen in room air. The sensor is used in refrigeration rooms, oxygen storage rooms, 'freezer farms', bone marrow labs, IVF labs, etc., anywhere low Oxygen levels might occur. It is also used where you have freezers with CO2 backup tanks in a confined space. The sensor provides an analog output of 4-20 mA DC linear output.



Rees Info	
General Info	
Centron Input Number	1.0
Centron 1	
TestWireless Reads	4-20 mA
Workstation Reads	Linear Transducer
Is it 4-20mA?	Yes
M Value	6.2751
B Value	-6.25
Units	%

Power	
Supply Voltage (VDC) Min	15.0
Supply Voltage (VDC) Max	40.0
Supply Voltage (VAC) Min	12.0
Supply Voltage (VAC) Max	28.0
Supply Current (mA) Max	250.0
Comes with Transformer	False

Physicalities	
Height (inches)	6.0
Width (inches)	3.5
Depth (inches)	1.09
Color	Gray
Material	Polycarbonate, ABS blend Fire Retardant
Mounting Information	Screw mounts to a standard 2" x 4" electrical junction box.
Is probe removable?	False

Sensor Info	
General Info	
Operating Temperature Min (C)	-20.0
Operating Temperature Max (C)	40.0
Operating Humidity Min	15.0
Operating Humidity Max	90.0
Storage Temperature Min (C)	-20.0
Storage Temperature Max (C)	40.0
Storage Humidity Min	15.0
Storage Humidity Max	90.0
Pressure Ranges	Atmospheric \pm 10%
Sensor Technology	Electrochemical
Response Time	Less than 60 seconds for 90% of step change
Rees Calibrated	False
Factory Calibrated	False
Site Calibrated	False
Life Expectancy	2 Years
Types of Measurands	Oxygen

Measurands	
Oxygen	
Measurement Min	0.0
Measurement Max	25.0
Measurement Units/Information	%
Accuracy	± 2.5% of reading

Related Parts	
.OXYGEN-ROOM-R	CALIBRATED TRADE OUT OXYGEN-ROOM SENSOR
.OXYGEN-ROOM-SH	SENSOR HEAD REPLACEMENT FOR OXYGEN-ROOM SENSOR