# **Oxygen Monitor**





#### Gasenz

# **Ambient Oxygen Monitor**

The Gasenz oxygen monitor is designed for personnel protection in applications where there is a risk of oxygen deficiency or enrichment, and in laboratory applications.

Gasenz is complete with integrated audible-visual alarms, and long-life zirconia or cost-effective electrochemical sensor options. Installation is effortless with this pre-calibrated oxygen monitor, which can be a standalone module or part of your control system via multiple outputs.





Pictured with zirconia sensor.



#### Highlights

- Long-life, low-maintenance zirconia, or electrochemical sensor technologies
- Integrated audible and visual alarm indicators
- Easy integration with user's PLC / DCS system
- Wall-mount installation
- Pre-calibrated

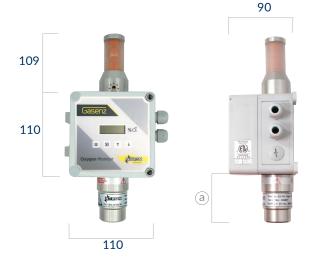
## **Applications**

- Personnel protection
- Medical
- Laboratory
- Gas generation
- Hypoxic air fire prevention systems



## **Technical Specifications**

	Zirconia (ZR)	Electrochemical (EC)
Measurement Range	025 %	
Output Resolution	0.01 %	
Pressure Range	9001100 mBar <sub>abs</sub>	
Response time (T90)	< 15 seconds within selected range @ 25 °C (77 °F) within selected range	
Operating Temperature Range	-25 °C+60 °C (-13 °F+140 °F)	0 °C+45 °C (+32 °F+113 °F
Life Expectancy	Up to 5 years	Up to 18 months
Humidity	095 %rh non-condensing (with normal use)	
Shelf Life	Unlimited	Up to 3 months
Calibration Interval (application dependent)	12 months	36 months
Monitor		
Electrical	LCD,	%O <sub>2</sub>
Electrical Display	LCD, 420	2
Electrical Display Output Signal Digital Communications	420 RS2	0 mA 232
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Electrical  Display  Output Signal  Digital Communications  Relay Output Options	420 RS2 1 off relay, dry cor (2 relay outputs assigned to	0 mA 232 ntact 5 Amp-rated control light tower indicator)
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Electrical  Display  Output Signal  Digital Communications  Relay Output Options  Power Supply	420 RS2 1 off relay, dry cor (2 relay outputs assigned to	0 mA 232 ntact 5 Amp-rated control light tower indicator)
Display Output Signal Digital Communications Relay Output Options  Power Supply Maximum Power Consumption	420 RS2 1 off relay, dry coi (2 relay outputs assigned to 85230 V AC (50	0 mA 32 htact 5 Amp-rated control light tower indicator) 60 Hz) or 24 V DC 3.6 W
Display Output Signal Digital Communications Relay Output Options  Power Supply Maximum Power Consumption Indicators	420 RS2 1 off relay, dry coi (2 relay outputs assigned to 85230 V AC (50 7.2 W	0 mA 132 htact 5 Amp-rated control light tower indicator) 60 Hz) or 24 V DC 3.6 W
Electrical  Display Output Signal Digital Communications Relay Output Options  Power Supply Maximum Power Consumption Indicators  Mechanical Housing Material	420 RS2 1 off relay, dry coi (2 relay outputs assigned to 85230 V AC (50 7.2 W	0 mA 232 ntact 5 Amp-rated control light tower indicator) 60 Hz) or 24 V DC 3.6 W nd visual alarms



### Dimensions (mm)

Sensor Technology		Length
а	Zirconia	60
	Electrochemical	40

Pictured with zirconia sensor.



Ntron Gas Measurement Ltd is part of the Process Sensing Technologies Group plc (PST). As customer applications are outside of PST control, the information provided is given without legal responsibility. Customers should test under their own conditions to ensure the equipment is suitable for the intended application(s).

We adopt a continuous development program which sometimes necessitates specification changes without notice.

For technical assistance or enquiries about other options, please contact us here:

oxygen@processsensing.com.