

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.



Plug & Play

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

Sensor		
	Zirconia (ZR)	Electrochemical (EC)
Measurement Range	0...25 %	
Output Resolution	0.01 %	
Pressure Range	900...1100 mBar _{abs}	
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	0...95 %rh non-condensing (with normal use)	
Shelf Life	Unlimited	Up to 3 months
Calibration Interval (application dependent)	12 months	3...6 months
Monitor		
Electrical		
Display	LCD, %O ₂	
Output Signal	4...20 mA	
Digital Communications	RS232	
Relay Output Options	1 off relay, dry contact 5 Amp-rated (2 relay outputs assigned to control light tower indicator)	
Power Supply	85...230 V AC (50...60 Hz) or 24 V DC	
Maximum Power Consumption	7.2 W	3.6 W
Indicators	LCD, audible and visual alarms	
Mechanical		
Housing Material	ABS	
Mounting	Wall / vertical surface	
Standards and Certification		
ETL: UL-61010-1, EMC: EN 50270		



Pictured with zirconia sensor.

Dimensions (mm)

	Sensor Technology	Length
a	Zirconia	60
	Electrochemical	40

! CAUTION

Ntron Gas Measurement Ltd. is part of the Process Sensing Technologies Ltd. group (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: instruments.support@processsensing.com.