



The Gasenz Oxygen Monitor is designed for the monitoring of oxygen deficient atmospheres in any work area where the risk of asphyxiation may occur due to the presence of gases like nitrogen or carbon dioxide.

This compact and rugged % zirconia oxide or electrochemical sensor oxygen monitor is perfectly suited for personnel protection in the gas generation industry and in hypoxic fire prevention systems.

## Applications

- » Gas generation (oxygen / nitrogen)
- » Pharmaceutical industries
- » Process industries
- » Food & Beverage industries
- » Hypoxic Fire Prevention Systems

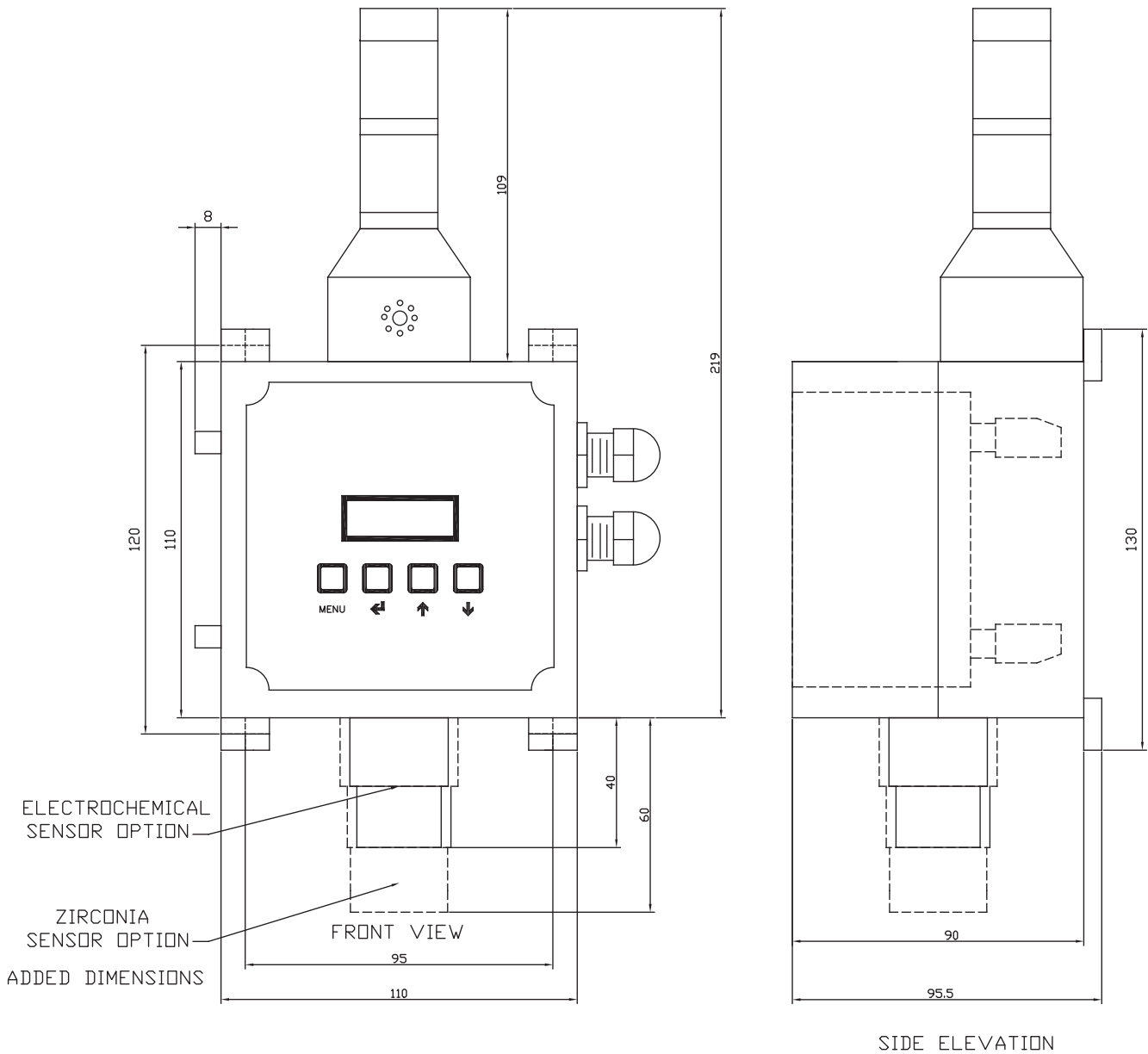
**Plug & Play  
Technology**

## Features

- » Long life, low maintenance zirconia or electrochemical sensor technology
- » Measurement range: 0 to 25% O<sub>2</sub>
- » Compact ambient oxygen monitor
- » Audio/ visual alarm indicator
- » LCD + 4 button multifunction keypad
- » Simple Installation (only power lead required)

<b>Performance</b>		
Measurement technology	Zirconia (ZR)	Electrochemical (EC)
Measurement range	0 to 25%	
Output resolution ( for %)	0.01%	
Accuracy	±1% of range	
Response time (T90)	<10 seconds	
LDL (Sensitivity)	0.01%	
Temperature range	-20°C to +50°C	0°C to +45°C
Pressure range	900 to 1100 mBar <sub>abs</sub>	
Linearity	1% of range	
Life expectation	3-5 years	1 year
Humidity	0-95% RH non-condensing	
Shelf life	N/A	Up to 6 months
<b>Electrical Input / Output</b>		
Power supply	100-240 VAC	24 VDC
Power consumption	Maximum load 160mA	
Signal output	4-20m	
Digital communications	RS232	
Digital output options	1 off relay, dry contact 5 Amp rated (2 relay outputs assigned to control light tower indicator)	
Display format	% O <sub>2</sub>	
Visual indicators	LCD, audio and visual alarm indication	
<b>Mechanical Specifications</b>		
Dimensions	145mm (h) x 110mm (w) x 93mm (d) incl. cable glands	
Weight	Approx 1 Kg	
Mounting	Wall	
Ingress protection	IP65 enclosure	
Housing material	ABS	
<b>Certification</b>		
Complies with EMC Directive 2004 / 108 / EC. UL/ETL Certification Number: UL-61010-1		

### Technical Drawings



### Related Products



**SENZTX**  
Oxygen  
Transmitter



**SF82**  
Dew Point  
Transmitter



**Minox i**  
ATEX Rated  
O<sub>2</sub> Transmitter



**Microx-OL**  
Online Oxygen  
Analyser



**Microx**  
Oxygen  
Analyser



**Yellow Box**  
Portable O<sub>2</sub>  
Analyser



**GazTrak**  
Portable oxygen &  
moisture measurement

### Ordering information

Product Specification		Main Description (Parts contained within every Gasenz)
<b>Features:</b>	<b>Range:</b> <b>Enclosure:</b> <b>Output:</b> <b>Comms:</b> <b>Alarm:</b>	<b>0-25% Oxygen Sensor</b> <b>Wall Mount Enclosure</b> <b>4-20mA</b> <b>RS232 Communication</b> <b>2 configurable alarm relays</b> <b>Audio and Visual alarm indicators</b>
Model	Order Code	Extended Description (Parts Unique to the selected model of Gasenz)
Gasenz-100	01-467	OC-48 Electrochemical Sensor 85-230 VAC (50-60Hz)
Gasenz-101	02-354	Ambient Zirconia Sensor 85-230 VAC (50-60Hz)
Gasenz-102	02-605	Ambient Zirconia Sensor 24 VDC
Gasenz-103	02-629	OC-48 Electrochemical Sensor 24 VDC

A Company of

**PST**  
PROCESS SENSING  
TECHNOLOGIES

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 Ntron Gas Measurement adopts a continuous development programme which sometimes necessitates specification changes without notice.

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