

Oxygen Analyzer For Nitrogen Generator And Oxygen Generator

Our Product Introduction

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Basic Information

- Place of Origin: USA/UK
- Brand Name: B+H
- Certification: CE
- Model Number: OXY.IQ
- Minimum Order Quantity: 1pc
- Price: Negotiate
- Packaging Details: Box or other type
- Delivery Time: 5-8 work days
- Payment Terms: T/T
- Supply Ability: 30pcs/month



Product Specification

- Model: OXY.IQ
- Range: 79-99.999%
- Power: DC24V
- Weight: 0.5kg
- Color: Silver
- Installation Method: Any Where
- Highlight: **Oxygen Analyzer For Nitrogen Generator ,
Oxygen Analyzer For Oxygen Generator**



Product Description

Oxygen analyzer, disc installation, continuous online monitoring of oxygen content, alarm output, analog signal output

1. Features

- Two-wire, loop-powered 4 to 20 mA transmitter
- Display with keypad
- Intrinsically safe option for Class 1 Div 1 and Div 2 locations, and ATEX/IECEX Zone 0
- Non Incendive for Div 2 locations
- Ex flameproof option
- Proven galvanic fuel cell O₂ sensor technology
- User selectable ranges for ppm and percent oxygen
- User-friendly and intuitive user interface with diagnostics
- Microprocessor-based, all-digital technology for reliable operation
- Low maintenance, economical and compact
- Sensor failure output error
- Sensor lifetime indication
- NAMUR error indication

2.Applications

An oxygen transmitter for use in:

- Glove box purge and leak detection
- Natural gas
- Semiconductor wafer machines
- Coating process machines
- Membrane air separators
- Inert welding gases
- Pure gaseous hydrocarbon streams
- Process monitoring of gaseous monomers
- Heat treating and bright annealing

Oxygen sensor interference gases

Gas	OX-1 and OX-5, ppm	OX-2, ppm.	OX-3, %		OX-4, %	
	Cont	Cont	Cont.	Int (1)	Cont.	Int (1)
H ₂ S	<5 ppm	<10 ppm	0.0005%	0.01%	0.001%	0.1%
SO ₃	<10 ppm	<10 ppm	0.01%	0.1%	0.01%	0.1%
SO ₂	<10 ppm	(3)	0.01%	0.1%	(3)	(3)
HCl	<1000 ppm	(3)	0.1%	1.0%	(3)	(3)
HCN	<1000 ppm	(3)	0.1%	1.0%	(3)	(3)
CO ₂	<5000 ppm	(3)	0.1%	20%	(3)	(3)
NO ₂	(2)	(2)	(2)	(2)	(2)	(2)

Cont = Continuous, Int. = Intermittent

(1) Recommended maximum exposure 30 minutes followed by flushing with ambient air for equal period

(2) Minimal effect on sensor performance, but produces signal interference of 1:2 ratio, ppm levels only. For example, 100 ppm NO₂ looks like 200 ppm O₂

(3) Minimal effect on sensor performance

3.

4. Technical Specifications

Monitor: five-digital dynamic LED monitor

Measuring Ranges: 0~10ppm, 0~2%, 0~21% O₂

Sensor Principle: ion current oxygen sensor

Measuring Mode: air inflowing

Measuring Accuracy: ±5% on 0~100ppm O₂ FS

±2% on 0~2 O₂ FS

±1% on 0~21 O₂ FS

Response Time: <20s

Measuring Environment Temperature: 10 ~+50

Measuring Environment Humidity: <80 RH

Stability: <±1%.FS (168h)

Signal Output: 4~20mA electric current output

Power supply: DC24V

Expected life: sensor—8000 hours, analyzer—16000 hours



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