

Zirconia OXYGEN CONTENT ANALYZER

Inert Gas Monitoring

Accurate response to Oxygen

The SBS Oxygen Analyzer, model SBS₃₅₀₀, is designed for accurate inert gas monitoring and control in a wide range of applications.



The heart of the system is the SBS microprocessor-based analyzer with automatic calibration and simple program structure to ensure quick set-up procedures.

The SBS analyzer also offers digital communication with PC's and other analyzers for self-diagnostics, self-calibration and cell-life prediction.

The key element of the system is the low cost, field replaceable, SBS zirconia sensor.

The SBS₃₅₀₀ Oxygen Analyzer provides the right platform for stand alone monitoring to more integrated solutions.

Key Features:

- (/) Easy to install
- (/) User friendly
- (/) Long-time stability
- (/) Modular design
- (/) High-speed dynamic response
- (/) Simple programming
- (/) Low priced
- (/) Low maintenance cost
- (/) Easy probe replacement
- (/) Self-check of alarm failures

The SBS₃₅₀₀ – A true aid for effective Inert gas monitoring and control.

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OXYGEN ANALYZER



Specifications general

Analyzer:

Measurement system
Measurement range
Specification area
Power supply
Consumption
Output RS-485
Output signal
Response time
Warm up time
Accuracy
Aux. inputs
Interface
Dimensions (LxHxW)
Enclosure
Weight

Type: SBS 3500

Zirconia type cell
0,2 to 21 %
@ -20 to +60° C
110 to 230 V AC; 50 / 60 Hz
40 VA steady after warm up
100 mV to -10 mV
4-20 mA
90% of full scale in 10 sec. W/ flow rate of 1l/min.
60 sec. From cold stage
+/- 2% of full scale
PT-1000 and 4-20 mA
Via opto and relays
500 mm x 250 mm
IP 65—Cast aluminum
4.5 kg

Oxygen Sensor:

Measuring system
Mountings

Zirconia
Field replaceable

Probe Cable:

Connection analyzing unit to sensor/probe

Multi core cable –standard lengths: 2M-5M-10M-15M-20M

Probe:

Sampling tube
DP flow tube
Connection manifold
Operating temperature

SS AISI 316
SS AISI 316 OD 3 mm
Special SS connections 6 mm
0 to +100 °C

***Alarm Monitor:**

Specification area
Power supply
Consumption internal
Response time
Alarm delay
Relay voltages
Max. relay current
Display
Relay function
Dimensions (panel)

@ -20 to +60 °C
230 V AC +/- 10%, 50 / 60 Hz
4 VA
1-60 sec. (Programmable)
1-99 sec. (Programmable)
Max. 250 V AC
2 A
0 to 21 % O₂ (Programmable)
Energized during normal operation
H x W x D: (44,5 x 91,5 mm)

***Sampling systems:**

Sampling systems options data

Available upon request

***Recorders or data logging:**

Data

Available upon request

***Communication:**

Data

Available upon request

***Optional items**

Specifications subject to changes without notice