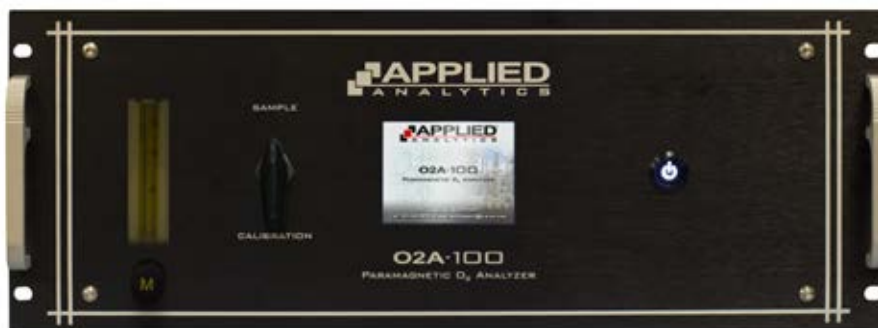


O2A-100 Paramagnetic O₂ Analyzer

Applied Analytics Data Sheet No. DS-010A — Revised 03 April 2017

O₂



The O2A-100 provides a fast, continuous oxygen concentration reading in a gas stream using an extremely stable paramagnetic sensor.

Housed in a 19" rack mount enclosure, this system is built for the plant environment.

Features

- » Totally solid state build with no moving parts
- » Field-proven performance in the world's harshest industrial environments
- » Fast Response Time

Safe, Simple Operation

Easily verify the O2A-100 reading at any time by running air through the calibration line and confirming a 20.9% oxygen reading.

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All performance specifications are subject to the assumption that the sample conditioning system and unit installation are approved by Applied Analytics. For any other arrangement, please inquire directly with Sales.

Subject to modifications. Specified product characteristics and technical data do not serve as guarantee declarations.

Technical Data	
General	
Measurement Principle	Paramagnetic sensor
Sample Medium	Gas (Process will need to be filtered to less than 3 microns)
Analyzer Calibration	Factory calibrated to specific oxygen ranges
Reading Verification	Simple verification with air or sample standard
Human Machine Interface	Applied Analytics industrial controller with touch screen display
Enclosure	19" rack-mounted analyzer
Measuring Parameters	
Repeatability	±1% of full scale
Accuracy	±0.5% of O ₂ reading
Sample Conditions	
Sample Temperature	0°C to 65°C (32°F to 149°F)
Sample Pressure	± 1 barg (14.5 psig)
Ambient Conditions	
Analyzer Environment	Indoor
Ambient Temperature	Standard: 0°C to 40°C (32°F to 95°F)
Physical Specifications	
Dimensions	7.09" H x 19" W x 9.78" D (180mm H x 483mm W x 248mm D)
Weight	30 lbs. (14 kg)
Utility Requirements	
Electrical Requirements	100-240 VAC
Outputs/Communication	
Outputs	1x galvanically isolated 4-20mA analog output 1x fault relay



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