

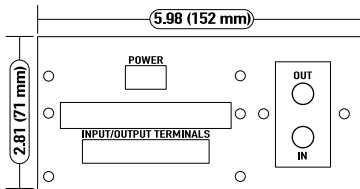
MODEL 5100

Compact Oxygen Analyzer

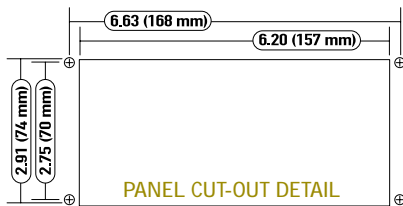
Mini Zirconia Sensor/Percent Range



Oxygen analysis doesn't have to be complicated or expensive

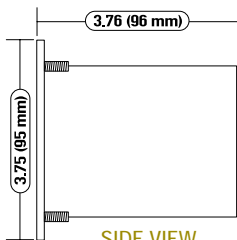


BACK PANEL DETAIL



PANEL CUT-OUT DETAIL

CLEARANCE FOR #8-32 STUD, 4 PLACES



SIDE VIEW

Dimensions in Inches (mm)

Sensor	Mini Zirconia Sensor
Measurement Range	0-1%/0-10%/0-25%/0-50%/0-100% auto range or fixed range
Display	0.75" (19.05mm) LED digital display. Color coded LED's for system status. Alarms 1&2= RED, system fault= YELLOW, OK and online= GREEN
Response Time	< 15 seconds for 90% step change
Intrinsic Error (accuracy)	At constant temperature: $\pm 2\%$ range Over operating temperature: $\pm 5\%$ range when calibrated @ target concentration @ STP: $\pm 1\%$ range
Operating Temperature	5-45° C
Signal Interface	RS-232 service port, 4-20mA negative ground, 0-10VDC range ID and choice of 0-1VDC or 0-5VDC or 0-10VDC analog oxygen signal
Alarm Outputs	Two alarms with adjustable form C relay outputs. Configurable for fail-safe or fail-alarm mode, ascending or descending trip. One system fault relay.
Sample Port	1/8 inch NPT female ports
Electrical Connections	Removable terminal blocks on back of analyzer
Power, Analyzer	5 watts at 115/230VAC 50/60Hz, single phase or 10 Watts @ 12-30VDC (battery backup capability)
Environmental Ratings, Analyzer	Faceplate: NEMA type 4, IP66 Housing: NEMA type 1, IP20
Warranty	Electronics and sensor: One year
Weight	Analyzer: Less than 2lbs. (0.9kg)



The model 5100... an affordable solution in industrial applications throughout the world.

- COMPACT, MODULAR ANALYZER
EASY TO INSTALL WITH SMALL FOOTPRINT
- LARGE, EXTRA-BRIGHT LED DISPLAY
- COLOR CODED STATUS LED'S
- REMOVABLE TERMINAL BLOCKS
- LONG LIFE ZIRCONIA SENSOR
FIVE TO TEN YEARS EXPECTED OPERATIONAL LIFE
UNLIMITED SHELF LIFE
- LOW MAINTENANCE SENSOR
WILL NOT DRY OUT OR FREEZE
- LOW COST
PRICED RIGHT FOR THE OEM AND END USER

NEUTRONICS INC.

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Dec. 16, 2008

To: KS Sunray Instruments Co., Ltd.
Rm. 707, No. 401, Bailu Mid. Rd., Kun Shan City, Jiang Su Province, China.

From: Bob Pritchard

Subject: Distribution Certification

I am pleased to announce that you are now qualified to distribute Neutronics High Purity Analyzers. As our agreement, **KS Sunray Instruments Co., Ltd.** should keep sufficient spare parts and will take responsibilities of installation, maintenance and service for our products in China territory.

This Agreement goes into effect immediately and is valid until 31st December 2010, and this Agreement covers the territory of the People's Republic of China.

Congratulations and Best Regards'



Robert Pritchard
High Purity Product Line Sales Manager