




Stand Alone Oxygen Deficiency Monitor

Gas Detection For Life

OX-600

3 color LED Digital Display



20.9%

02

Normal

19.0%

02

Warning

18.0%

02

Alarm

Features

- Operates with or without a controller
- Tri-color visual alarm display: Green=Normal, Yellow=Alarm 1, Red=Alarm 2
- Large easy to read digital display
- Three power options: 115 VAC, 24 VDC, or 2 AA alkaline
- Operates up to 1 year on one set of AA alkaline batteries
- Pressure compensation eliminates false alarms caused by pressure change
- Remote mount sensor cable available

Applications

- Laboratories
- Cryogenic environments
- Clean rooms
- Industrial gas facilities
- Gas storage rooms
- Indoor monitoring
- Iron and steel industry
- Warehouses
- Tunnels and garages
- Vehicle service areas

RKI's Model OX-600 is an indoor, standalone monitor that detects Oxygen (O₂) with a range of 0-25.0 % volume with 0.1% increments. It's sleek, low-profile design is equipped with a unique tri-color display, which changes color as oxygen levels reach each alarm level. The OX-600 has 2 preset alarms, and comes ready to operate with a simple wall mount bracket and 10 foot power cord. It is capable of operating with three different power options; 115 VAC, 24 VDC or alkaline batteries. If Oxygen is present, the user is notified by an audible alarm tone and the multicolored LED digital display.

The OX-600 uses a fast responding low-cost plug-in style galvanic cell sensor. This long life sensor is field-replaceable with no special tools required. The sensor can also be remotely mounted with an optional remote sensor cable.

Model OX-600 Specifications

Detection Principle	Galvanic cell
Gas Detected	Oxygen (O ₂)
Detection Range	0 ~ 25 vol%
Display Resolution	0.1 vol%
Sampling Method	Diffusion or remote sampling method with optional sensor extender cable
Indication Accuracy*	Within ± 0.7 vol%
Response Time*	90% Response within 30 seconds (T ₉₀)
Alarm Levels	Two preset alarms (L-LL), alarm 1 = 19.5% vol, alarm 2 = 18.0% vol
Display of Alarm	1st gas alarm: gas concentration reading blinks or orange light, flashing AL1 light or orange light, buzzer 2nd gas alarm: gas concentration reading blinks or red light, flashing AL2 light or red light, buzzer
Alarm Logic	Latching or Non-latching (including trouble alarm)
Alarm Contact	Dry contact, normally-open or normally closed (default setting is normally open)
Display	Digital LCD (3 digits, 7 segments / Green, Orange, Red) (For Alkaline battery version, the back light will be OFF during normal operation)
Trouble Alarm / Self-Diagnosis	System trouble / sensor connection trouble
Display of Trouble Alarm	Buzzer / flashing of red error message
Relay Contact Rating	125VAC, 1A or 30VDC, 1A (Resistive load)
Output Signal	4 ~ 20mA (Non-isolated, Resistive load under 300 Ω) or 0 - 1VDC (Non-isolated) *only for 0 - 1VDC Alkaline battery specification
Extender Cable	Extender cable with remote box (9', 16', 32', or 65' lengths available)
Power Sources	(120VAC $\pm 10\%$, 50/60Hz,) 24VDC $\pm 10\%$, or AA alkaline battery (2 each)
Power Consumption	AC specification: MAX 3.5VA, DC specification: MAX 2W
Continuous Operation (for Alkaline Battery version)	1 year (no alarm, no indication)
Operating Temperature	0 ~ 104°F (-17 ~ 40°C)
Operating Humidity	0 - 90%RH (non-condensing)
Mounting Equipment	Wall mounting type (by using accessory mounting plate or mount at one switch box) Cable inlet: Up, down and left/right, or rear side
Dimension	Body: approx. 3.15"(W) x 4.72"(H) x 1.2"(D) (80(W) x 120(H) x 35.5(D)mm)
Weight	AC specification: approx. 7.05 oz (200g), DC specification: approx. 6.34 oz (180g), Alkaline battery specification: approx. 8.11 oz (230g)

*Under normal conditions



10000363



ISO 9001

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