



RIKEN KEIKI

INDOOR OXYGEN MONITOR

Model OX-600



3 color LED Digital Display



Normal



Warning



Alarm

Features

Stand alone with audible and visual alarms
(Analog output is also available)

Intuitive three color alarming display

Long life and reliable oxygen sensor

Three kinds of power supply are available,
100-120VAC, 24VDC, and Dry cells (two AA
batteries)

Remote sensor with cable length 3m, 5m,
10m, 20m are available (optional)

Pressure compensation to eliminate false
alarm caused by pressure variation

Applications

Laboratories, Cryogenic,
Clean room, Gas storage room,
any facilities using inert gases
such as nitrogen, argon, helium,
etc.



RIKEN KEIKI

Specifications

Model Name	OX-600		
Detection Principle	Galvanic cell		
Gas Detected	Oxygen		
Sampling Method	Diffusion or remote sampling method		
Measuring Range	0-25.0vol% (0.1vol% digit)		
Preset Alarm Levels	1st :19.0vol% 2nd :18.0vol% (Standard)		
Alarm Types	Two preset alarms (L-LL)		
Trouble Alarm Method	Non-latching or Latching		
Display	LCD digital display (3 digits, 3 color, Green, Orange, Red backlight)*1		
Indication on the display	Measuring gas, Gas concentration, Measuring unit, Battery level (alkaline battery type only)		
Functions	Self-diagnosis(sensor fail, watch fail, system fail), Pressure compensation		
Power Supply	100-120VAC 50/60Hz	DC24V±10%	AA alkaline battery x 2pcs
Power Consumption	MAX5VA	MAX3W	—
Alarm Contact	Non-voltage contact 1a or 1b・normally-open (closed in ALARM)		—*2
Transmittance Specification	DC 4-20mA (Non-isolated, Resistive load under 300Ω) or DC 0-1V (Non-isolated)		DC 0-1V (Non-isolated)
Remote cable	3m/5m/10m/20m		
Operating	0-40°C (no sudden change), Below 90%RH以下 (no-condensing)		
Dimension	Body: approx. 80 (W) × 120 (H) × 35.5 (D)mm Remote sensor: approx. 40 (W) × 96 (H) × 35.5 (D)mm		
Weight	Approx. 200g	Approx. 180g	Approx. 230g
Weight of remote sensor	Approx. 55g(without cable)		

*1 No backlight for battery type at normal times

*2 No contact for battery type

Standard accessories

- Screw (round head) x 2 pcs.
- Screw (pan head) x 2pcs.

Optional accessories

- Remote sensor (Cable length : 3m/5m/10m/20m)



- Mounting plate
- Calibration cap



Body



Compact size
(80x120x35.5mm)

Example

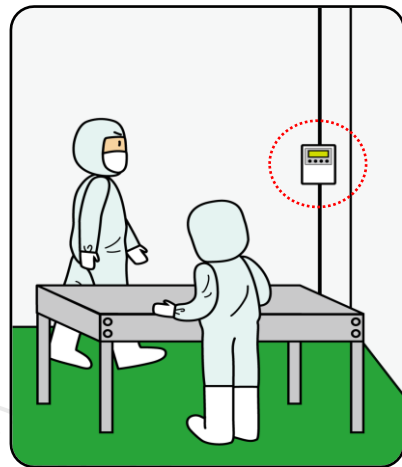
[Dry Battery]

Type for tunnel, underground construction field etc.



[AC100V / DC24V]

Type for clean room, laboratory, etc.



SB-600-24VDC Combined Beacon and Sounder Kit with 5M cable plus 240VAC to 24Volt Power adapter (Powers OX-600 and SB-600)



Specification

Sounder:

Maximum output 100dB(A) @ 1 metre [91dB(A) @ 10ft/3m]
Nominal output: 99dB(A) @ 1m +/- 3dB - Tone 1 [90dB(A) @ 10ft/3m]
No. of tones: 10 (UKOOA / PFEER compliant)
No. of stages: 2
Volume control: On board potentiometer
Effective range: 30m/99ft @ 1KHz

Beacon:

Light source: High intensity L.E.D. array.
Options: Steady or 2Hz flash mode (on board selection)
Peak/Effective Intensity cd: Green L.E.D: 176cd - measured ref. to I.E.S.
Terminals: 0.5 to 4.0mm² cables
L.E.D. colours: Amber and White (Other colours (Green / Blue) available on request)
Lens colour: All L.E.D. colours use a Clear lens to maximise output and to ensure the signal is most effective in high ambient light.

General:

Voltages DC: 24V dc requires 240VAC - 24VDC power adapter (included wired in)
Ingress protection: IP66
Housing material: High impact UL94 V0 & 5VA FR ABS
Colour: white.
Lens material: PC
Cable entries: 4 x M20 clearance gland knockouts in side & back
Terminals: 0.5 to 1.5mm² cables.
Operating temp : -25 to +55°C [-13° to +131°F]
Storage temp: -40 to +70°C [-40° to +158°F]
Relative humidity: 90% at 20°C [68°F]
Weight: 0.50kg/1.1lbs



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.