

OX-600 Standalone Oxygen (O₂) Monitor



Key features :

- Standalone or with a controller
- Deficiency and Enrichment
- Compact, wall mounting design
- Alarms can be set to L ,LL or L ,H
- 2 x relay contacts plus 4-20mA output
- Tri-colour visual alarm display: Green=Normal, Yellow=Alarm 1, Red=Alarm 2
- Power options: 100-240VAC (Via PSU), 24 VDC or Battery (2 x AA)
- Remote sensor cable available 1-20M options
- Remote sounder beacon and UPS power supply options

Key Benefits :

- Cost Effective Oxygen Monitoring
- Very Easy to install and operate
- Easy to connect to external accessories such as Remote Sensor, Remote Sounder Beacons, Ventilation Fans or Gas On/Off valves
- User can program detection range and alarm levels ideal for many applications
- Very reliable with minimal maintenance required low ownership cost
- Compact size

Description

The Riken Keiki OX-600 is Standalone Oxygen Monitor designed around Riken Keiki's industry leading Galvanic sensor technology . It is designed to monitor Oxygen Deficiency and Enrichment and is suitable for an array of applications such as Inert Gas Storage Rooms , Confined Spaces, Laboratories, Manufacturing plants , Hospitals and Welding Facilities.

The OX-600 displays O₂ levels on an LCD screen that changes colour at each alarm level. This is a unique feature of the Riken Keiki 600 series.

The Unit comes with preset alarms set to Low and Low Low . Users can program their own alarm levels if desired. An High alarm for Oxygen Enrichment can also be set alongside one Low Deficiency alarm. Users can access relay outputs for 1st and 2nd alarms in addition to a 4-20mA output. These features allow customers to connect optional external accessories such as additional sounders and beacons.

Optional extras that include a Battery backed UPS (BATPSU-600-X-24VDC) and additional sounder beacon(s) (SB-100-24VDC) are available.

The Instrument comes ready to operate with a 24 VDC Power supply or Battery powered with 2 x AA Alkaline batteries (1 year life) included. An optional 240VAC Main adapter is also available.



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SPECIFICATIONS

Detection Principal :	Galvanic Cell
Gas Type :	Oxygen (O ₂)
Display :	LCD Digital Display (5 digit , 7 segment , Green, Orange and Red Backlight
Detection Range :	0-25% Volume
Display Resolution :	3 Digits resolution
Detection Method :	Diffusion Type
Alarm Setpoint Value Std setting :	1 st AL 19% 2 nd AL 18%
Accuracy :	Within +/- 5% of full scale
Response Time :	90% Response (T90) within 60 seconds
Gas Alarm Type :	Two step alarm (L-LL) (H-HH) or (L-H)
Gas Alarm Display :	AL1 Orange , Buzzer AL2 Red , Buzzer
Gas Alarm Pattern :	Auto-Reset

Gas Alarm Contact :	No-Voltage contact 1a or 1b & normally De-energised (energized in response to an alarm)
Fault Alarm / Self Diagnosis :	System Abnormalities Sensor connection Abnormalities
Fault Alarm Display :	Alarm detail display, Flashing Orange . Buzzer
Fault Alarm Pattern :	Auto-Reset
Contact Capacity :	125VAC – 1A or 30VDC - 1A (Resistance Load) 0 VAC +/- 10% (50/60Hz) or 24VDC +/- 10%
Transmission Spec :	4-20mA DC Non-Insulation Load under 300 Ohms
Power Supply :	24VDC +/- 10% 2 x AA Alkaline batteries
Power Consumption :	Max 3W
Initial Clear :	Approx. 25 seconds
Warm up time :	Approx. 30mins
Operating Temp :	-10 to +40 C (at constant conditions)
Operating Humidity :	Below 90% RH (Non Condensing)
Structure :	Wall Mounted Type
Dimensions :	80(W)x120(H)x35.5(D)mm
Weight :	180g without batteries

ACCESSORIES

Standard

- Cross-recessed pan head machine screw (2 pcs)
- Cross-recessed round head wood screw (2 pcs)
- Operating Manual (1 pc)

Optional

- Installation Board
- Gas Calibration Cap
- Remote Sensor cable and housing 1-20Meters
- Battery Backed Power Supply
- Additional 100dB Sounder Beacon
- GSM Auto-dialler