

OXYSENS PLUS LC

- O₂ ambient monitoring with Zirconia Oxide cell technology
- Visual monitoring of the unit status through multi-color indicator on front panel: green (normal), yellow (pre-alarm), red (alarm)
- 4-20mA linear output signals and digital output signals for remote monitoring including tower lights
- Output for external hooter and input for external ack button
- Network interface RS485 SDAMNet Plus or RS485 with ModBus protocol
- Unit programming by Windows SW *OxySens Plus Programming Tool* for unit area identification, relay output contacts, thresholds (alarm/ pre-alarm: min/max), delay and hysteresis

- Typical applications:

-O₂ monitoring in gas cylinders storage areas

-O₂ monitoring in cryobank rooms, laboratories and hospital rooms



Ambient Oxygen gas sensor with Zirconia Oxide cell

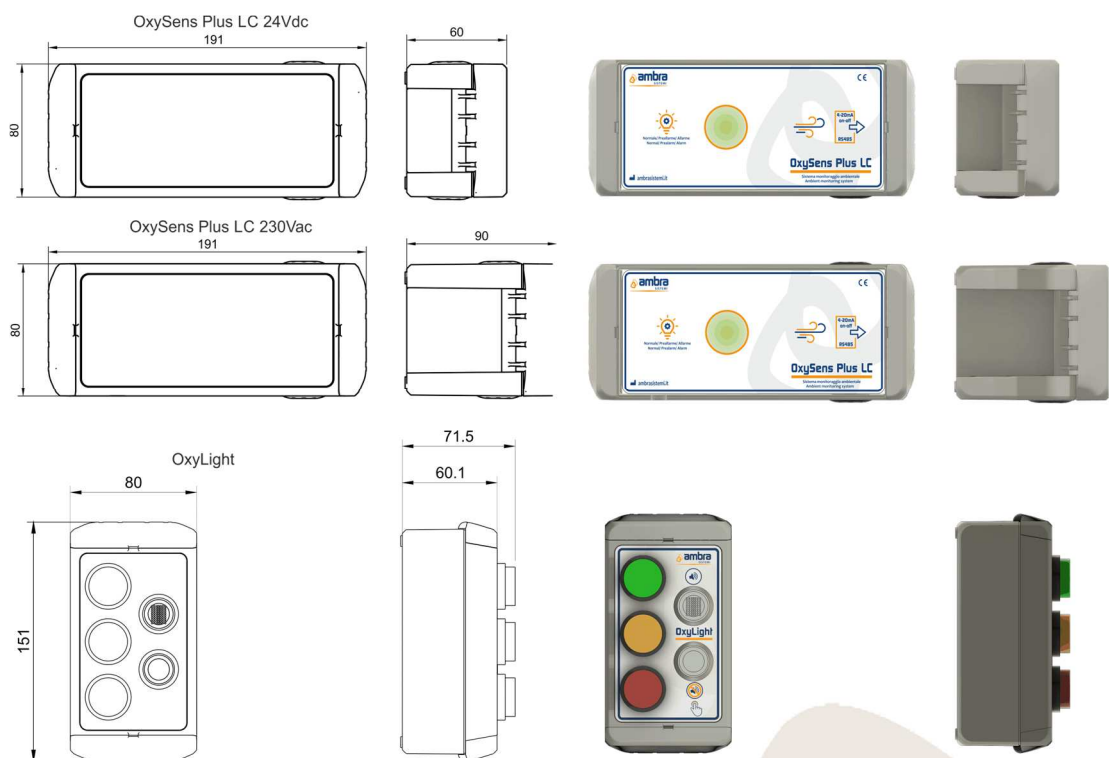
GAS ANALYSIS

TECHNICAL SPECIFICATIONS

Power supply	24 Vdc, Pmax. 5 VA, fuse 0,5 A 230 Vac Pmax 5 VA, fuse 0,5A (specific version)
Measuring range	O ₂ : 0...25 %, 0...95 %, Vol. O ₂ Temp, Humidity: -20/+70°C , 0...100 RH% (optional and available only on RS485)
Visual indications	Front panel indicator with backlight three colors with viewing angle 180°
Output 4...20 mA	Active linear output signal, maximum load 1 Kohm (only for O ₂)
Output contacts	4 isolated output contacts configurable by OxySens Plus SW Vmax 400Vdc-280Vac, Imax 120mA
Power out	24Vdc for external power of OxyLight or relays
Response time	T90 <30 sec
Warm-up time	3 minutes
Combined error	<±1 % of F.S. – full range
Barometric pressure dependency	Unaffected
Long term drift	O ₂ : < 2% of F.S. over 5 years
Expected lifetime	O ₂ : Over 5 years
Housing	Ver. 24Vdc: Plastic box IP30 for wall mounting Dim. 191x80x60 mm Ver. 230Vac: Plastic box IP30 for wall mounting Dim. 191x80x90 mm

Serial output	RS485 bidirectional with SDAMNet Plus or ModBus protocol
Weight	780 gr. (24Vdc)/ 900 gr (230Vac)
Operating temperature	0...60 °C
Reference standards and directives	CE

DIMENSIONS



dimensions in mm

PRODUCT CODES

CODE	DESCRIPTION
0005-09-001	OxySens Plus LC 0-25% 24Vdc O2 int: Oxygen gas sensor with zirconia oxide cell range 0...25% Vol. O2 (integrated), serial interface RS485 SDAMNet Plus or ModBus, 1 output 4-20mA, 4 digital outputs configurable
0005-09-011	OxySens Plus LC 0-25% 24Vdc O2 int + Temp/ Hum int: Oxygen gas sensor with zirconia oxide cell range 0...25% Vol. O2 (integrated), serial interface RS485 SDAMNet Plus or ModBus, 1 output 4-20mA, 4 digital outputs configurable + Sensor Temperature and Humidity (integrated)
0005-08-600	OxyLight: Tower light system with lamps green, yellow, red, in plastic box for wall mounting
0005-08-601	OxyLight: Tower light system with lamps green, yellow, red, in plastic box for wall mounting + hooter and cumulative silence button integrated
0005-09-XXXX	OxySens Plus LC 230Vac O2 version
0005-09-XX3	OxySens Plus LC 0-95% O2 int