



Product Specifications

Product Codes: OM-700, OM-700S

Usage: Designed specifically for use as part of an ambulatory oxygen system.

Oxygen Conserving Efficacy: Average oxygen savings is 5:1 at approximately 20 breaths per minute.

Method of Operation:

- A. Senses patient's change from inhalation to exhalation through a standard nasal cannula.
- B. Delivers a fixed pulse of oxygen in the first half of the inspiratory cycle.

Continuous Flow Emergency Bypass Setting: Provider-adjustable continuous flow between 0.5 - 6 lpm; factory preset to 2 lpm.

Clinical Effectiveness and Efficiency: This same reliable sensor technology has been proven in decades of use and is backed by clinical studies which demonstrate the clinical effectiveness, oxygen dosage equivalencies, and oxygen savings in a variety of pulmonary diseases during both rest and exercise.

Oxygen Inlet Connection: CGA 870

Compatibility: The Lotus[®] electronic conservers may be utilized with any compressed oxygen gas source that uses a CGA 870 post valve. Can be configured with European connections and gauges.

Required Operating Pressure: The Lotus[®] electronic conservers require pressure of 200 PSI to 3000 PSI (13.8 bar to 206.8 bar).

Battery: Operates on two (2) replaceable AA-size alkaline batteries or one (1) rechargeable NiMH battery pack.

Battery Indicator:

- Green: Good
- Amber: Low battery
- Red: Replace
- Flashing Red: Replace immediately

Battery Life: Up to 6 months at 8 hours per day (alkaline batteries)

Controls: A single thumbwheel turns the unit ON/OFF, activates the battery status indicator and selects dosage settings equivalent to 1, 1.5, 2, 2.5, 3, 4, 5 and 6 liters per minute.

Operating Temperature: 14°F to 104°F (-10°C to 40°C)

Operating Relative Humidity: 15% to 95% non-condensing

Operating Altitude: 0 to 10,000 feet (0 to 3,048 meters)

Power Consumption: <10 mA at idle time and maximum of 600 mA during delivery time.

Regulator: The Lotus[®] electronic conservers come with a built-in regulator preset at 25 PSI ± 5 PSI (1.7 bar ± .3 bar).

Storage/Transportation:

Cold Temperature: Maximum -40°F (-40°C)
 Hot Temperature: Maximum 158°F (70°C)
 Humidity Range: Up to 95% non-condensing

Unit Weight: Approximately 14.5 oz. (408 grams)

Unit Size: Approximately 7" L (17.8 cm) x 2.5" H (6.4 cm) x 4" W (10.2 cm)

Shock: Not to exceed IEC 601-1 requirements.

Vibration: Not to exceed IEC 68-2-6, IEC 68-2-34.

Safety Standards: All Lotus[®] models passed the ASTM G-175-03 regulator ignition safety test, which is the most stringent safety test ever imposed on an oxygen regulator.