Respironics COSMO Pulse Oximeter and CO2 Monitor

**Capnograph**

- The CO2SMO is a lightweight, portable monitor which verifies critical ventilation and oxygenation information in virtually any clinical setting; from emergency hospital transport to continuous monitoring in the OR, ED, or ICU.
- Utilizes the CAPNOSTAT® mainstream CO2 sensor with patented solid state design and standard two year unconditional warranty!
- Designed for hassle-free performance in both prolonged and spot check monitoring situations, even under the most adverse airway conditions.
- Monitors both intubated and non-intubated patients.
- Convenient "On-Cable" accuracy verification eliminates the need for bulky calibration gas cylinders.
- Veterinary Pulse Oximeter
- Advanced SuperBright™ digital technology provides superior performance in conditions of low perfusion or motion artifact.
- Innovative reusable Y-Sensor™ is sterilizable and can be used with all patient populations.
- Unique sensor management plan guarantees fixed operating costs and practically eliminates the burden of tracking and handling sensors.
- On-screen plethysmogram with autogained/non-gained selection provides continuous validation of signal quality.

**SPECIFICATIONS:**

**Capnograph**

**Principle of Operation:** Solid state mainstream sensor. Single beam, non-dispersive infrared absorption, ratiometric measurement.

**Initialization Time:** Capnogram within 15 sec. | full specifications within 60 sec.

**Calibration:** Routine calibration is not required. 15 sec. adapter zero performed when changing to different style of adapter.

**Capnostat® Mainstream CO2 Sensor:**

**Size:** 1.30" x 1.67" x 0.85" | 3.30 X 4.24 x 2.16 cm

**Weight:** 0.64 oz. | 18 grams - cable excluded

**Shock Resistance:** Withstands repeated 6 foot drops.
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**Airway Adapters:** Adult/pediatric reusable or single patient use, neonatal reusable, and sampling adapter for non-intubated patients.

**Sampling Flow Rate:** 180 ml/min (for non-intubated patients)

**CO2 (Carbon Dioxide):**
- **Compensations:** N2O & O2 (selectable), BP (automatic)
- **Capnogram:** Selectable sweep speed (12.5 or 25 mm/sec)
- **Range:** 0 - 100 mmHg
- **Accuracy:** ±2 mmHg (for 0-40 mmHg) ±5% of reading (for 41 - 70 mmHg) ±8% of reading (for 71 - 100 mmHg)
- **Resolution:** 1 mmHg Response Time: 60 ms

**Pulse Oximeter**
- **SpO2 (Oxygen Saturation)**
  - **Range:** 0-100%
  - **Accuracy:** ±2% SpO2 (for 80-100%) (1 SD, or 68% of readings within claim) Unspecified for 0-79% SpO2
  - **Resolution:** 1% Averaging: Menu selectable, 2 or 8 sec.

**Pulse Rate:**
- **Range:** 30-250 bpm
- **Accuracy:** ±1% of full scale
- **Resolution:** 1 bpm
- **Averaging:** 8 sec.

**GENERAL:**

**Display:**
- **Size:** 5"W x 1.5”H | 12.7 x 3.08 cm

**Graphic Trend/Histogram:**
- **Memory:** 24 hr., battery backed
- **Format:** On-screen or printed, in 30 min., 2, 8, or 12 hr. segments

**Physical:**
- **Size:** 3.3"H x 9.0"W x 8.0"D | 8.38 x 22.86 x 20.32 cm

**Electrical:**
- **Power Requirements:** 100-120/200-240 VAC, 50-60 Hz, 30 VA
- **Battery:** Sealed lead acid gel cell, 2 hr. life, 12 hr. recharged