

V8200 Hand-Held Capnometer



- Spot-check end-tidal CO₂ at an affordable price
- Easy to read LED displays for ET_{CO}₂ and respiration rate
- Quantitative breath indicator bar
- Reliable sidestream technology for use on intubated and non-intubated animals
- One-touch function keys for easy operation
- Ergonomic design and lightweight, just 650 grams (22 oz)

The V8200 Hand-Held Capnometer is a highly transportable monitor designed to provide spot-check reading of End Tidal CO₂ (ET_{CO}₂). It also provides intubation verification and respiration measurement on most animals. Simple on-touch controls make it easy to use. The V8200 operates on internal rechargeable batteries or can be connected to an AC adapter. An optional printer is available for hardcopy printouts of the captured data.

Now the accuracy and reliability of capnometry is available in a lightweight transportable unit that runs on AC or battery power. A quantitative breath indicator bar and a bright LED display provide ET_{CO}₂ and respiration rate measurements. One-touch, direct function keys and the lightweight ergonomic design offer ease of operation with both intubated and non-intubated animals. The V8200 draws a sample of gas through the sample cell. It uses an infrared (IR) light source, optical band pass filter and detector to measure the amount of CO₂ in the sample. The ET_{CO}₂ is displayed as an average of 4 breaths. The continuous CO₂ waveform is used to detect each breath and to compute the respiratory rate. When using N₂O in an anesthesia setup, the N₂O compensation can be 'Enabled' to compensate for the interference of N₂O on the CO₂ measurement.

The V8200 Hand Held capnograph comes complete with an instruction manual, AC adapter/charger, animal attachment kit. A gas calibration kit and other airway accessories are available. An optional printer, is available to output data in datalog mode (every 10 seconds). Trend data stored in the internal memory every 30 seconds can also be printed. The PC adapter cable and Printer Interface Cable can be combined to export data to a PC running Windows™ 95 or higher.

Specifications

End Tidal CO₂:	
Measurement	Non-Dispersive IR absorption
Range	0 to 100 mmHg or 0 to 10.0% CO ₂ or 0 to 13.3 kPa
Accuracy	±2 mmHg; ±0.3%; ±0.3 kPa, or 4% of reading, whichever is greater (0 to 10% CO ₂)
Resolution	1 mmHg; 0.1%; 0.1 kPa
Response Time	375 msec to 90% of value
Averaging	4-breath average (updated with every breath)
Respiration Rate:	
Range	0 to 100 ±2 bpm
Averaging	4-breath average (updated with every breath)
Power Requirements:	
Input	(Optional) 100 V-, 50/60 Hz; (Optional) 230 V-, 50/60 Hz
Battery	Standard NiMH (Nickel Metal Hydride) battery, fully charged continuous - use life 8 hours approximate, maximum full charge time 5 hours
Printer/Computer Data Output:	
I/O Port	RS232C: tabular trends, patient data
I/O Connector	RJ-45 to DB-9
Analog Output	Any three of: CO ₂ waveform, Plethysmogram, End Tidal CO ₂ , Respiration Rate, Inspired CO ₂ , %SpO ₂ , Pulse Rate Fractional Inspired Oxygen, 0V or 1V Cal signal, Range 0 to 1 VDC full scale
Safety Approvals	IEC 601-1, CSA 22.2 No. 125, UL 544, ISO 9001 Certified
AC Chargers	115V-, 50/60 Hz 230 VAC 50/60 Hz (optional) 100 VAC 50/60 Hz (optional)
Dimensions, H x W x D	184 x 84 x 47 mm (7.25 x 3.3 x 1.85 in)
Weight	650 g (22 oz)

Catalog No.	Product
CGS 8191.68	Hand Held Capnometer, 110 VAC, 60 Hz
CGS 8192.68	Hand Held Capnometer, 220 VAC, 50 Hz
CGS 8193.68	Airway Adapter w/o filter straight, pkg. of 10
CGS 8194.68	Airway Adapter Dual LL Port, pkg. of 10
CGS 8195.68	Airway Adapter elbow Dual LL Port, pkg. of 10
CGS 8196.68	Airway Adapter Elbow, pkg. of 10
CGS 8197.68	Moisture Filter, pkg. of 10
CGS 8198.68	Airway Attachment Kit
CGS 8199.68	Calibration Kit: Contains calibration gas, flow regulator and 4 ft sample line
CGS 8200.68	Calibration Gas
CGS 8201.68	Calibration Gas Flow Regulator
CGS 8202.68	Sample Line Nasal, pkg. of 10
CGS 8203.68	Sample Line Extension, pkg. of 10
CGS 8204.68	Sample Line 4 ft, pkg. of 10
CGS 8205.68	Dead Space Adapter - 2 each of 2.5, 3.0, and 3.5 mm
Optional Accessories	
CGS 8206.68	Protective Boot
CGS 8207.68	Pole Mounting Bracket
CGS 8208.68	PC Adapter Cable
CGS 8209.68	Printer Interface Cable
CGS 8210.68	Printer and Cable, 110 VAC, 60 Hz
CGS 8211.68	Printer and Cable, 220 VAC, 50 Hz