



The **Mindray Datascope Gas Module II** is a companion to several patient monitors. The Gas Module II, commonly called the Datascope GM2, is capable of automatically identifying and measuring five anesthetic agents (Desflurane, Enflurane, Sevoflurane, Halothane, and Isoflurane, as well as N₂O, CO₂, and O₂). This unit monitors all gases via sidestream sampling.

Features

- 200 mL/min sample flow rate.
- Uses a non-dispersive infrared analyzer measuring absorption of the gas sample at seven infrared wavelengths.
- 2.5 second sampling delay
- Water trap that removes water and impurities from the patient sample.
- Analyzes patient sample at a fixed rate.



Specifications

Dimensions

Height: 4.2" (10.6 cm)
Width: 12.5" (31.7 cm)
Depth: 9.6" (24.3 cm)
Weight: 10 lbs (4.5 kg)

Performance

Sampling Rate: 200 ± 20 ml/min (with sampling line ≤ 6 meters, under normal conditions)
Sampling Delay: 2.5 seconds (with a 3 meter sampling line)
Total System Response Time: 2.9 seconds (with a 3 meter sampling line, including sampling delay and rise time)
Display Update Rate: Breath-by-Breath
Compensation: Automatic for pressure, CO₂-N₂O and CO₂-O₂ collision broadening effect
Warm-up Time: Maximum 2 minutes to operation with CO₂, O₂, and N₂O; 5 minutes to operation of anesthetic agents; 30 minutes for full accuracy specifications
Autozeroing Interval: At startup and at 2, 4, 10, 15, 30, 45, and 60 minutes of operation. Every 60 minutes thereafter.

Pneumatic

Technology: Side-stream gas sampling
Pneumatic Modes: Room air reference measurement: Automatic; Sampling system purge: Automatic
Pump: Flow controlled dual membrane
Gas sampling rate: with DRYLINE™ Water Trap, Adult/Ped: 200 ml/min; with DRYLINE™ Water Trap, Neonate: 120 ml/min
Occlusion Alarm: Actual flow < 40 ml/min
Room Air Reference Measurement: Automatic when gas measurement bench temperature change is > 1°C or time since last ref. measurement is > 4 h
Reference Measurement Interval: ISO Accuracy Mode > 30 s Full Accuracy Mode > 4h
Reference Measurement Duration: Typical 5 s, Max 9 s
Purge Cycle: Automatic when occlusion detected

