



The **GE Aisys CS2** is an anesthesia machine that is a technologically sophisticated class of digital Carestation that manages an intuitive user-interface. It features a movable 15-inch touch ventilator display monitor with a Carescope inspired user-experience. An electronic agent control helps provide exceptional benefits, such as automatic record keeping of set agent concentration and agent usage calculations.

## Features

- Moveable 15" touch ventilator monitor.
- Integrated gas with Carescope respiratory technology.
- Configurable quick picks for FGF settings and O2%.
- Compact breathing system designed for low flow to help provide fast gas kinetics for rapid wash-in and wash-out.
- Digitally controlled vaporizer, ventilator, and gas delivery.
- Responsiveness to changes in patient status is measured in milliseconds.
- Advanced breathing system (ABS) ensures a fast circuit response to assist clinicians with anesthesia delivery.



## Specifications

### Dimensions

**Height:** 52.7 in (133.9 cm)  
**Width:** 26.8 in (68 cm)  
**Depth:** 82 in (32.3 cm)  
**Weight:** 419 lbs. (190 kg)

### Ventilator Performance

**Pressure Range at Inlet:** 240 kPa to 700 kPa/35 psig to 102 psig  
**Peak Gas Flow:** 120 L/min + fresh gas flow  
**Flow Valve Range:** 1 to 120 L/min  
**Flow Compensation Range:** 200 mL/min to 15 L/min

### Patient Spirometry

**Pressure-Volume Loop**  
**Flow-Volume Loop**  
**Pressure-Flow Loop**  
**Airway Pressure and Flow Waveforms**  
**Adjustable Low and High Alarm Limits for Ppeak and MVexp**  
**Detection Through Machine Flow Transducers.**

### Ventilator Accuracy

**Volume Delivery:** > 210 mL = better than 7%; ≤ 210 mL = better than 15 mL; < 60 mL = better than 10 mL  
**Pressure Delivery:** ±10% or ±3 cmH<sub>2</sub>O  
**PEEP Delivery:** ±1.5 cmH<sub>2</sub>O  
**Volume Monitoring:** > 210 mL = better than 9%; ≤ 210 mL = better than 18 mL; < 60 mL = better than 10 mL  
**Pressure monitoring:** ±5% or ±2 cmH<sub>2</sub>O

### Flow Transducer

**Type:** Variable orifice flow sensor  
**Dimensions:** 22 mm OD and 15 mm ID  
**Location:** Inspiratory outlet and expiratory inlet

### Oxygen Sensor

**Type:** Optional galvanic fuel cell or paramagnetic with Respiratory Module option

### Ventilator Screen

**Display Size:** 38 cm/15 in  
**Pixel Format:** 1024 (H) x 768 (V)

### Communication Ports

RS-232C compatible serial interface  
Ethernet  
Datex-Ohmeda device interface solutions port  
USB port  
VGA Output



## Specifications

### Ventilation Parameters

**Tidal Volume Range:** 20 to 1500 mL (Volume Control, PCV-VG, SIMV and SIMV PCV-VG modes)

**Incremental Settings:** 20 to 50 mL (increments of 1 mL); 50 to 100 mL (increments of 5 mL); 100 to 300 mL (increments of 10 mL); 300 to 1000 mL (increments of 25 mL); 1000 to 1500 mL (increments of 50 mL)

**Minute Volume Range:** Less than 0.1 to 99.9 L/min

**Pressure (P) Inspired Range:** 5 to 60 cmH<sub>2</sub>O (increments of 1 cmH<sub>2</sub>O); 5 to 1500 mL volume delivery

**Pressure (P) Max Range:** 12 to 100 cmH<sub>2</sub>O (increments of 1 cmH<sub>2</sub>O)

**Pressure (P) Support Range:** Off, 2 to 40 cmH<sub>2</sub>O (increments of 1 cmH<sub>2</sub>O)

Rate: 4 to 100 breaths per minute for Volume Control, Pressure Control and PCV-VG; 2 to 60 breaths per minute for SIMV, PSVPro, SIMV PCV-VG; 4 to 60 breaths per minute for CPAP+PSV (increments of 1 breath per minute)

**Inspiratory/Expiratory Ratio:** 2:1 to 1:8 (increments of 0.5)

**Inspiratory Time:** Inspiratory time: 0.2 to 5.0 seconds (increments of 0.1 seconds) (SIMV, PSVPro, SIMV PCV-VG and CPAP+PSV)

**Trigger Window: 0 to 80% (increments of 5%)**

**Flow Trigger:** 1 to 10 L/min (increments of 0.5 L/min) 0.2 to 1 L/min (increments of 0.2 L/min)

**Inspiration Termination Level:** 5 to 75% (increments of 5%) - Rise Rate 1-10 (PCV, PCV-VG, SIMV, PSVPro, CPAP+PSV and SIMV PCV-VG)

**Inspiratory Pause Range:** 0-60%

### Anesthetic Agent Delivery

**Vaporizer:** Aladin2 Cassette - Isoflurane, Desflurane, Sevoflurane, or Enflurane.

**Number of Active Positions:** 1

**Total (Enf, Iso, Sev) Capacity:** 220 mL

**Total (Des) Capacity:** 240 mL

**When cassette indicator shows empty (Enf, Iso, Sev):** 125 mL (95 mL residual volume)

**When cassette indicator shows empty (Des):** 140 mL (100 mL residual volume)

