Volumetric capnography goes beyond EtCO$_2$.

Now you can have CO$_2$ measurements in a single, compact sensor that easily plugs into the Avea™ ventilator. Volumetric capnography, utilizing the new CAPNOSTAT® 5 sensor, adds an impressive array of advanced monitoring features.

**CAPNOSTAT 5**
- Small, durable and lightweight
- No calibration required
- On-airway measurement—immediate response

**Volumetric capnography monitoring can help improve clinical outcomes.**

1. Early and sustained elevations in physiologic Vd/Vt are associated with higher mortality in patients with acute respiratory distress syndrome (ARDS).¹
2. PEEP selection based on transpulmonary pressure and Vd/Vt in ARDS may help to avoid alveolar collapse and lung stress.²

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Single-patient-use and reusable airway adapters for infants, pediatrics and adults

Volumetric capnography upgrade kit
### Principle of operation
The sensor measures CO\(_2\) by using the infrared absorption technique.
A solid state, mainstream sensor with no moving parts means a less fragile device with less downtime.

### Calibration
Routine calibration is not required. A 10-second adapter zero is performed when changing to a different style adapter.

### CAPNOSTAT 5 sensor
| Size: | 1.38" x 1.89" x 0.91" (3.5 cm x 4.8 cm x 2.3 cm) 9.84 foot (3 m) cable standard |
| Weight: | 0.88 oz. (25 grams), cable excluded |


### CO\(_2\) accuracy and resolution
- **Accuracy:**
  - ±2 mmHg (for 0 to 40 mmHg)
  - ±5% of reading (for 41 to 70 mmHg)
  - ±8% of reading (for 71 to 150 mmHg)
- **Resolution:** 1 mmHg
- **Response Time:** Less than 60 ms

### CO\(_2\) measurement range
0 to 150 mmHg (0 to 20 kPa)

### Anea ventilator parameters
- EtCO\(_2\), VCO\(_2\), VtCO\(_2\), Vd ana, Vd/Vt ana, VA, Vd phy, Vd/Vt phy, Vd alv, Oxygenation Index, PaO\(_2\)/FiO\(_2\) ratio

### Airway adapters - adult/pediatric (latex free)
- **Single-patient-use adult/pediatric (ETT > 4mm ID)**
  - Dead space: 5 mL
  - Weight: 7.7 grams
  - Resistance: 0.40 cmH\(_2\)O at 60 LPM
  - Color: Clear
  - Part number: 16605 (10/box)
  - **Reusable adult/pediatric (ETT > 4mm ID)**
    - Dead space: 5 mL
    - Weight: 12 grams
    - Resistance: 0.38 cm H\(_2\)O at 60 LPM
    - Color: Black
    - Part number: 16607 (1/box)

### Airway adapters - infant/pediatric (latex free)
- **Single-patient-use infant/pediatric (ETT ≤ 4mm ID)**
  - Dead space: < 1 mL
  - Weight: 9.1 grams
  - Resistance: 0.74 cmH\(_2\)O at 10 LPM
  - Color: Blue
  - Part number: 16606 (10/box)
  - **Reusable infant/pediatric (ETT ≤ 4mm ID)**
    - Dead space: < 1 mL
    - Weight: 14.9 grams
    - Resistance: 0.68 cm H\(_2\)O at 10 LPM
    - Color: Red
    - Part number: 16608 (1/box)

### Full capnography upgrade kit
- Part number: 11732
- **Included:**
  - One CAPNOSTAT 5 cable (P/N 27695-001)
  - One box of single patient use pediatric/adult sensors (10/box) (P/N 16605)
  - One box of single patient use neonatal sensors (10/box) (P/N 16606)
  - Volumetric capnography software key (P/N 63733)
  - Compatible with software 4.1 or above only.

### REFERENCES

⚠️ **Caution:** Federal law restricts this device to sale by or on the order of a licensed healthcare practitioner.