



The **Dräger Vamos Plus** is an efficient anesthetic gas monitor for use with adult, pediatric, and neonatal patients. For patient monitoring, concentrations of carbon dioxide, nitrous oxide, and volatile anesthetic gases in the respiratory gas mixture are measured and displayed. The carbon dioxide concentration is displayed as a real-time curve. Additionally, inspiratory and expiratory concentrations are displayed for all measured gas concentrations. The respiratory rate is determined from the carbon dioxide concentration curve and then displayed.

## Features

- Automatically detects anesthetic agents.
- Uses a Waterlock 2 water trap that protects the sensors from condensed water, pathogens, and other contaminants.
- Simple and easy-to-use navigation and user-interface.
- Minimal maintenance and has a long service life.



## Specifications

### Dimensions

**Height:** 6.5" (16.6 cm)  
**Width:** 9.4" (24 cm)  
**Depth:** 6.5" (16.6 cm)  
**Weight:** 4.6 lbs. (2.1 kg)

### Display

**Type:** High-contrast amber electroluminescent display with excellent vertical and horizontal viewing angles.

**Display Size:** 5" diagonal 4.25" x 2.28" (127 mm diagonal 108 x 58 mm)

**Graphic Display of CO<sub>2</sub>:** waveform

**Numeric Display:** Fractional inspiratory concentration (Fi) of CO<sub>2</sub>, N<sub>2</sub>O and of selected agent, End-tidal concentration (F<sub>et</sub>) of CO<sub>2</sub>, N<sub>2</sub>O and selected agent

### General

**Sample Flow Rate:** 200 ± 20 ml/min

**Interface:** 1x RS 232 (MEDIBUS protocol)

**Warm-up time at ambient temperature > 13 °C:** < 5 min

**System Response Time:** < 3.0 s

### CO<sub>2</sub>

**Measuring Range:** 0 to 10 Vol %; 0 to 10 kPa; 0 to 76 mmHg

**Accuracy:** ±(0.43 Vol % + 8 % rel.); ±(0.43 kPa % + 8 % rel.); ±(3.3 mmHg % + 8 % rel.)

**Response time (t<sub>10/90</sub>):** < 300 ms

### N<sub>2</sub>O

**Measuring Range:** 0 to 100 Vol %

**Accuracy:** ±(2 Vol % + 8 % rel.)

**Response Time (t<sub>10/90</sub>):** < 300 ms

### Anesthetic Agents

**Measuring range:** 0 to 8.5 Vol % (isoflurane and halothane); 0 to 10 Vol % (sevoflurane and enflurane); 0 to 20 Vol % (desflurane)

**Accuracy:** ±(0.20 Vol % + 15 % rel.)

**Response time (t<sub>10/90</sub>):** < 450 ms

### Respiratory Rate

**Respiratory Rate Measuring Range:** 0 to 100 /min

**Accuracy (I:E 1:2):** 0 to 80 /min: ±1 /min; > 80 /min: not specified

