Anesthetic Gas Module

Monitoring real-time respiratory and anesthetic gases

Philips Anesthetic Gas Module (AGM) uses infrared absorption technology to identify and measure the five most commonly used anesthetic gases as well as N₂O and CO₂. A paramagnetic technique measures oxygen. The AGM can detect and alert at the presence of an anesthetic agent mixture. In addition, the AGM calculates MAC and MAC awake values for display on the Philips IntelliVue monitor. The Anesthetic Gas Module is one of Philips technologies specifically designed for the demands of anesthesia care.

**Real-time gas monitoring data displayed on the patient monitor**
The AGM provides clinically solid measurements, including inspiration and expiration values for:
- Sevoflurane
- Isoflurane
- Halothane
- Desflurane
- Enflurane
- Nitrous oxide
- Carbon dioxide
- Oxygen

The AGM automatically identifies anesthetic agents. The identified predominant agent is measured along with O₂, N₂O, and CO₂.

The AGM displays numerics, trends, real-time waveforms, and alarms on the monitor screen.

The real-time CO₂ waveform provides an immediate indication of proper endotracheal tube placement during intubation.
Compatibility

AGM measurements are displayed alongside other key parameters on these Philips patient monitors:

- IntelliVue MP40 and higher
- CMS 2002
- V24 and V26

Please ask your sales representative for details on compatibility.

Effective display of information on the patient monitor

- Waveforms for CO₂, N₂O, anesthetic agents, and O₂
- Numerics for inspired and end tidal CO₂, N₂O, O₂, and anesthetic agents, along with airway respiration rate
- MAC values (MAC values available on IntelliVue MP40 and higher patient monitors loaded with Release C.0 software or higher. MAC values not available in the US.)

Additional features include:

- Quick warm-up time
- Low sample flow rate
- Individual alarm limits for each parameter
- Automatic zero calibration
- Respiratory rate derived from CO₂ waveform
- Disposable, reusable water trap

Anesthetic agents can be identified automatically or selected manually for measurement.

AGM with an anesthesia workstation and IntelliVue monitor. The Anesthetic Gas Module interfaces with the monitor through the RS232 port.

Philips Commitment to Measurement Technologies

Philips is committed to providing best-in-class standard clinical measurements as well as innovative measurements to support clinicians’ decisions at the patient’s side.

- Maintaining and advancing the performance of existing, widely used standard-of-care measurements
- Investing heavily in research, development, and clinical validation of new, innovative parameters and algorithms
- Working with strategic partners to integrate next-generation measurements and technologies
- Providing interfaces to more than 100 third-party specialty measurement devices through the Philips VueLink module