

Multigas Analyzer AMG-06



Multigas Analyzer AMG-06 is intended for continuous non-invasive sidestream monitoring of CO₂ and anesthetics concentration in inspired and expired gases. The device also determines respiratory rate (RSP), apnea, MAC index and measures atmospheric pressure under the conditions of operation rooms and wards when providing anesthetic support.

Measurement method - Non-invasive sidestream monitoring, minimal gas sampling flow rate 70 ml/min.

Application:

- anesthesiology
- intensive care
- prolonged sedation
- resuscitation

Measured gases:

- isoflurane (Iso)
- sevoflurane (Sev)
- desflurane (Des)
- halothane (Hal)
- enflurane (Enf)
- nitrous oxide (N₂O)
- inspiratory and Expiratory carbon dioxide (CO₂)

Patient groups:

- adults
- children
- neonates

Basic universal ventilation:

- 5" TFT touchscreen
- all patient groups
- non-invasive, sidestream

Advantages

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| Reliable and accurate | Technology based on the infrared method of measuring, enables to measure anesthetics and CO ₂ concentration precise and fast due to an in-house high-precision sensor |
| Ergonomic design | <ul style="list-style-type: none"> • Light weight, compact, can be used during intrahospital patient transportation • Fits to any working environment, can be fixed on any surface due to its universal mounting system |
| Easy to use | <ul style="list-style-type: none"> • Intuitive interface, sensitive touch screen • Minimum set of the most necessary functions • Can be used with high-frequency electrosurgical devices • Works with an external information system, possess Wi-Fi function • Maintenance-free |
| Safety for a patient | <ul style="list-style-type: none"> • Suitable for low-flow anesthesia • Manual selection of the anesthetic type, automatic detection of the incorrect choice • Displaying of the real time gas concentration • Automatic detection of installed water trap (adult or neonate version) • Safe use of consumables: special valve prevents the reverse flow of gas through the sampling tube |

Technical Specification

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| Patient groups | All patient groups | |
| Display | Touch screen TFT-display, 5" | |
| Dimensions | 170 x 155 x 145mm | |
| Weight | 2.5 kg maximum | |
| Power supply | 100-240 V, 50/60 Hz Built-in battery up to 2h of operation | |
| Mounting | Can be suspended at any surface, 360° rotated clamp | |
| Measurement method | Non-invasive, sidestream, Non-dispersive infrared (NDIR) | |
| Measured parameters | Inspiratory and Expiratory CO ₂ and anesthetic Respiratory rate (RSP) Apnea Minimum alveolar concentration (MAC index) | |
| Measurement range | Isoflurane (Iso) | 0–5% (resolution — 0.1) |
| | Sevoflurane (Sev) | 0–7% (resolution — 0.1) |
| | Desflurane (Des) | 0–17% (resolution — 0.1) |
| | Halothane (Hal) | 0–5% (resolution — 0.1) |
| | Enflurane (Enf) | 0–7% (resolution — 0.1) |
| | Nitrous oxide (N ₂ O) | 0–100% (resolution — 0.1) |
| | Carbon dioxide (CO ₂) | 0–15% (resolution — 0.1) |
| Gas sampling flow rate range | with accuracy of gas flow rate ± 10 ml/min max. or ± 10 % (whichever is greater) | 70 – 200 ml/min |
| Respiration rate measurement range | 5 - 160 bpm | |
| Alarms | Visual and audible. Three levels of priority, physiological and technical alarms and events | |
| Trends | 72 hours | |
| Patient Information record | Name, age, gender, weight, height, date of admission, diagnosis at admission, clinical diagnosis, notes | |

Start-up delivery set / Quantity, pcs.

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| Multigas Analyzer AMG-06 | 1 |
| Power adapter | 1 |
| DRYLINE II Water Trap, adult | 1 |
| Sampling tube, adult | 1 |
| DRYLINE II Water Trap, neonate | Option |
| Sampling tube, neonate | Option |
| Exhaust gas tube | 1 |

Contacts

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Treaton

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