ISA OR+ Multigas Monitoring

Supporting Anaesthetic Agent and Ventilation Management





The ISA OR+ sidestream multigas analyser with the Masimo Root® patient monitoring and connectivity platform provides the following features and benefits:

- > During general anaesthesia, the ISA OR+ monitors the inhaled and exhaled concentration of five anaesthetic gas agents (Sevoflurane, Isoflurane, Halothane, Desflurane, Enflurane), carbon dioxide (CO2), nitrous oxide (N2O), and oxygen (O2), in addition to respiration rate
- > Requires only 50 ml sampling flow to support monitoring
- > Time-saving in critical situations with virtually no warm-up time and full accuracy performance in less than 20 seconds
- > Automatic anaesthetic agent identification
- > Supports monitoring patients with high respiration rates, up to 150 bpm
- > Low-power consumption and automatic temperature and pressure compensation
- > Provides minimal alveolar concentration (MAC) calculated from the measured anaesthetic agents and N2O*
- > Appropriate for monitoring adult, paediatric, or infant patients in a range of clinical environments including the operating theatre and intensive care unit
- > Compatible with Masimo's Nomoline™ Adapter and the Nomoline Airway Adapter Set to interface with endotracheal tubing



COMPONENTS



Data subject to change without notice

When technology modules are connected with Root, multiple additional parameters are available including Masimo SET® pulse oximetry, noninvasive and continuous haemoglobin (SpHb®), PVI,® SedLine® brain function monitoring, and O3™ Regional Oximetry (not available for sale in the U.S.)

PERFORMANCE AND SPECIFICATIONS

| GENERAL | GAS ANALYSER |
|-----------------------|--|
| Weight. < 420 g | Automatic compensation Pressure, temperature, and broadening effects on CO2 Warm-up time. < 20 sec ISA sampling flow rate 50 ± 10 ml/min |
| ENVIRONMENTAL | Fulfills the requirements of EN ISO 80601-2-55:2011. |
| Operating temperature | Accuracy during standard conditions: RANGE ACCURACY CO2 .0 – 15 vol% ± (0.2 vol% + 2% of reading) N2O .0 – 100 vol% ± (2 vol% + 2% of reading) |
| PATIENT CONNECTIONS | HAL, ISO, ENF |
| Nomoline | DES. $0-22 \text{ Vol}\%$ $\pm (0.15 \text{ Vol}\% + 5\% \text{ of reading})$ $02 \dots 0-100 \text{ vol}\%$ $\pm (1 \text{ vol}\% + 2\% \text{ of reading})$ Rise time. $COz \le 250 \text{ ms}$, NzO , Agents $\le 350 \text{ ms}$, $0z \le 450 \text{ ms}$ Total system response time. $< 3 \text{ sec}$ Breath detect . Adaptive threshold, minimum 1 vol% COz change Respiratory rate . $0-150 \text{ bpm} \pm 1 \text{ bpm}$ |
| | CERTIFICATIONS |
| | CE Marked according to the 93/42/EEC Medical Device Directive |

^{*} Altitude, patient age and other individual factors are not considered in the MAC calculation.

 $\label{lem:caution:Federal law restricts this device to sale by or on the order of a physician.$

 $For professional \ use. \ See \ instructions \ for \ use \ for \ full \ prescribing \ information, including \ indications, contraindications, warnings, \ precautions, \ and \ adverse \ events.$

