

MAX™ Multigas Analyzer

When patient safety has a name

If you are considering a gas analyzer there are many important considerations you should take into account. Some are of obvious importance while others are subtle yet critical for your ultimate satisfaction and your choice. When it comes to the MAX analyzer the advantages are all yours:

MAX - Security

PHASEIN IRMA technology eliminates complicated set-up procedures. With a clear, easy to view display, intuitive interface and comprehensive alarm system MAX makes it simple to access the information that is important to you. A standard battery back-up ensures two hours of uninterrupted operation.

MAX - Economy

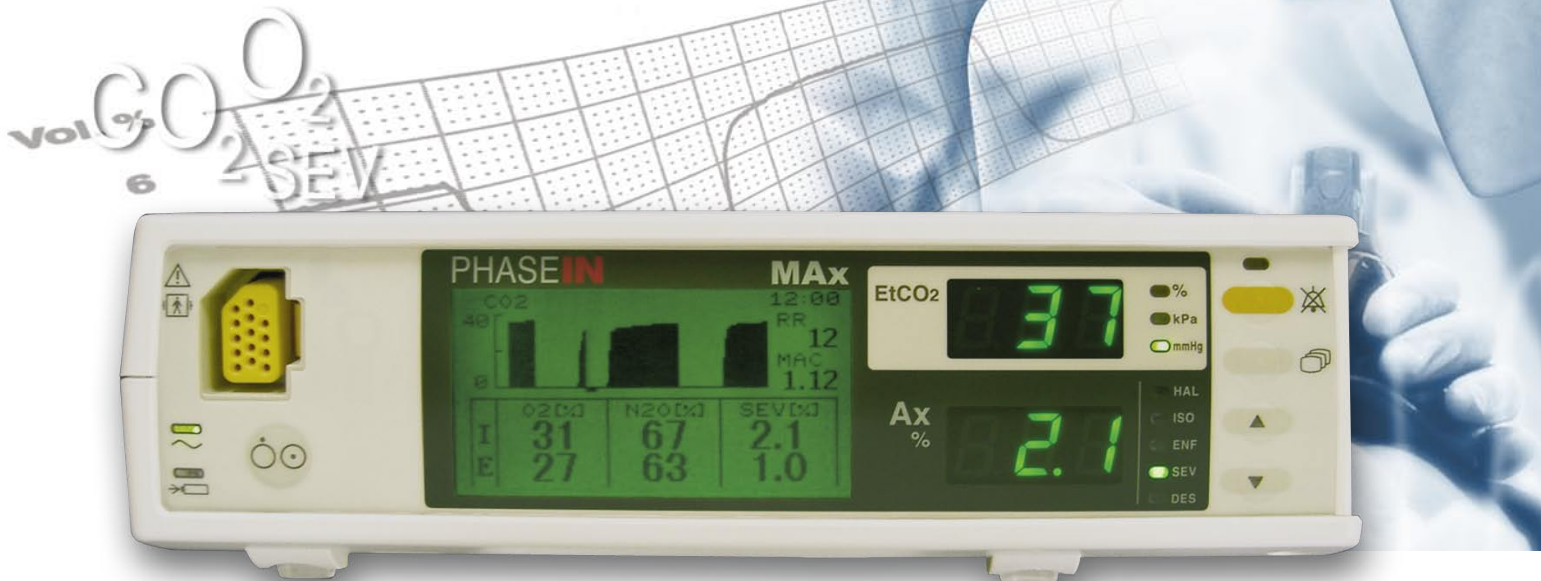
PHASEIN IRMA technology eliminates expensive gas calibrations and complex calibration procedures. The IRMA probe is factory-calibrated and requires no assembly or calibration. The IRMA mainstream probes are designed to overcome the shortfalls of current technologies: namely, liquid and secretion handling, calibration, service costs etc.

MAX - Ease of use

Simply connect the IRMA probe to a MAX analyzer, turn on the unit and start measuring.

We call it PLUG-IN and MEASURE...™

As your needs change, upgrading MAX is as simple as attaching a new IRMA probe. The IRMA probes are available in a wide choice of configurations from a simple CO₂ only version, to the most sophisticated offering CO₂, O₂, N₂O and five anesthetic agents with agent ID.



Technical Specifications

General

Description: Multigas Analyzer including IRMA Probe

Power supply: 100-127 V AC or 220-240 V AC

Power consumption: 50VA

Battery (optional): Minimum operating time 2 hrs

Weight: 1 kg

Size: 210 x 164 x 62 cm (8.2 x 6.4 x 2.4 inches)

Environment:

Operating: 10 to 40 °C (50 to 104 °F)

Storage: -20 to 50 °C (-4 to 122 °F)

Humidity: 10 - 95%, non-condensing

Atm.pres.: 700 - 1200 kPa (3048 m)

Display: Fi/ET values for CO₂, O₂, N₂O, primary agent, secondary agent; MAC; RR

Trends: Fi/ET - CO₂, O₂, N₂O and Agents up to 16 h

Alarms: Adjustable alarm levels for LO/HI ETCO₂, CO₂ Rebreathing, Apnea, RR, LO/HI FiO₂, HI FiN₂O, LO/HI FiAA, Mixed Agents

Gas Analyzer

IRMA Probe: Ultra small infrared main stream multi gas probe comprising a multi channel IR-bench, barometric pressure sensor, power regulator, signal processor and an USB interface

Oxygen: Ultra fast response time galvanic oxygen sensor

Calibration: No routine calibration is required. Room air calibration performed when changing airway adapter (<5 sec)

Warm-up time: 5 sec, full specifications within 60 sec

Interface: RS232 interface operating at 9 600 bps

Power consumption: <1.1 W

Weight: IRMA sensor head 30g (cable excluded)

Size: 3.70 x 2.7 x 2.5 cm (1.45 x 1.1 x 0.9 inches)

Shock proof design: Withstands repeated 1 m drops

Airway adapter: Adult/Pediatric: < 7 ml dead space

Mini: 0,6 ml dead space

Gases:

The accuracy of all measurement values is according to the requirements of ISO 11196:1997, EN 864:1996, EN 12598:1999, ISO/DIS 21647:2003, ISO 7767, ASTM-F 1452-92, ASTM-F 1456-92 and ASTM-F 1462-93

During standard conditions:

	Range	Accuracy
CO ₂	0 - 10%	± 0.3% _{ABS} or ±6% _{REL}
O ₂	10 - 100%	± 3% _{ABS}
N ₂ O	0 - 100%	± 2% _{ABS} or ± 8% _{REL}
HAL, ISO, ENF	0 - 5%	± 0.15% _{ABS} or ± 8% _{REL}
SEV	0 - 8%	± 0.15% _{ABS} or ± 8% _{REL}
DES	0 - 18%	± 0.15% _{ABS} or ± 8% _{REL}

Rise Time: CO₂ < 60 ms, N₂O, AA < 300 ms, O₂ < 300 ms

Breath detect: Adaptive threshold, minimum 1% CO₂ change

Respiratory rate: 0 - 150 bpm ± 1 breath/min

Compensation: Automatic for atmospheric pressure, temperature and spectral interference

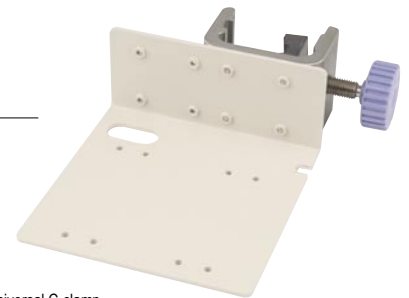
Certifications

- CE marked according to the 93/42/EEC Medical Device Directive

Data subject to change without notice



MAX™ Multigas Analyzer
CAT.NO. 500100



Universal C-clamp
CAT.NO. 100510



IRMA™ ICU MAX
(CO₂, INSP/EXP O₂)
CAT.NO. 500201



IRMA™ OR MAX
(CO₂, O₂, N₂O, HAL, ENF, ISO, SEV, DES)
CAT.NO. 500301



IRMA™ OR+ MAX
(CO₂, O₂, N₂O, 5AA, Agent ID)
CAT.NO. 500401



IRMA Airway Adapter
with O₂ port
Box of 25
CAT.NO. 100210



IRMA Airway Adapter
Box of 25
CAT.NO. 100220



IRMA Airway Adapter Mini
Box of 25
CAT.NO.100260



Ultra fast oxygen sensor
Box of 5
CAT.NO. 100230



IRMA™ Modura Holder
CAT.NO. 100240

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