AneSure®-M Mainstream Multigas Analyzer

AneSure® -M *Mainstream Multigas Analyzer*

Features

A. Employs mainstream method to provide CO2 waveforms, EtCO2, Respiratory rate , as well as the waveforms, inspiration and expiration concentration values of nitrous oxide and one of the five anesthetic gas agents (Halothane, Enflurane, Isoflurane, Sevoflurane or Desflurane) selected manually by the user.

B. PLUG AND PLAY*. The host only needs a standard Remo socket and Internal serial port without interior space and circuit.*

C. HIGH ACCURACY*. Meticulously chosen narrow band optical filter,infrared source and delicately designed hardware electrical circuit and software algorithm ensure to realize high SNR (signal to noise ratio) gas concentration measurement and ensure the measurement accuracy in the range of -5-50°C of temperature and within 0-20% of concentration*

D. AUTOMATIC PRESSURE COMPENSATION. *Within very wide pressure range of 400-860mmHg, it maintains measurement accuracy by Built-in barometric sensor*

E. INTERFERENCE GAS COMPENSATION. *Through receiving the parameters of input interference gas from the host, it can automatically fulfill compensation calculation so as to ensure the measurement accuracy under any conditions.*

F. IMMEDIATELY TO ACTIVATE. *Power on in 4 seconds, to get accurate data.*

G. ADULT/PAEDIATRIC,OR NEONATE AIRWAY ADAPTER *can continuously work in long time and be used repeatedly, reducing costumer's usage cost.*

H. Low cost Oxygen sensor can be cooperative used and oxygen concentration measure can be realized easily.

I. COMPREHENSIVE OEM SOLUTION OF CO2 AND MUTIGAS*. Multiple communication protocols. Moreover, our long-term and accumulated technology and experience easily help you to realize upgrading technology and performance.*

Performance of the module

Technique: Non-dispersive infrared gas analysis, Multi-channel infrared detector, Infrared resource, no moving ports

Storage: -40 to 70ºC, <90% RH, non-condensing

Operation: 5 to 50ºC, 10 to 90% RH, non-condensing

Circumstance pressure: 55-115kP

Power demand: 5 V±5% (max ripple 200 mVp-p)

Power consumption: <180mA

Interface: RS-232/ Standard E-8-1,38.4 kBaud,10ms data interval(KM) or customized communication protocol.

***CO2* measurement range:** 0-19.7%, 0-150mmHg, or 0-20kPa

resolution: 0.1mmHg

measurement accuracy:

0 - 40 mmHg ± 2 mmHg

41 - 70 mmHg ± 5% of reading

71 - 100 mmHg ± 8% of reading

101 - 150 mmHg ± 10% of reading

***N2O* measurement range:** 0-100%

resolution: 1%

measurement accuracy: ±(2 vol% + 2% of reading)

The rise time of 10%-90%: ＜300ms

***HAL,ENF,ISO* measurement range:** 0-12%

resolution: 0.1%

measurement accuracy:

0-8%：±(0.15 vol% + 5% of reading)

8-12%: unspecified

The rise time of 10%-90%: ＜300ms;

***SEV* measurement range:** 0-15%

resolution: 0.1%

measurement accuracy:

0-10%: ±(0.15 vol% + 5% of reading)

10-15%:unspecified

The rise time of 10%-90%: ＜300ms;

***DES* measurement range:** 0-25%

resolution: 0.1%

measurement accuracy:

0-18%：±(0.15vol% + 5% of reading)

18-25%: unspecified

The rise time of 10%-90%: ＜300ms;

***Respiration rate* measurement range:** 3-150 bpm

measurement accuracy: 1％ ±1bpm

***O2* measurement range:** 16-100% (*note: O2 is optional)*

resolution: 1%

measure accuracy: ±(2 vol% + 2% of reading)

Barometric Pressure compensation: 400 to 860mmHg automatic

Warm-up time: To reach designed accuracy 97% within 8s, to reach designed accuracy within 20s

Stability: Shortly drifting less than 1mmHg,after 4 hours' power on. Longly drifting does not influence nominal accuracy after continuous 140 hours' power on.

Calibration: No routine user calibration required

Zero: zero proceeding when replacing adaptor

EtCO2 calcualtion: every breath,10 or 20s averagely

Water Resistance: IPX4-Splash-proof(sensor only)

Shock Impact: IEC TR 60721-4-7 Class 7M3, EN60068-2-27 Shock,EN60068-2-64 Random vibration

Regulatory Designed to meet the following standards:

IEC 60601-1-2, EN55011 – CISPIR 11 Class B

IEC 61000-4-2 Electrostatic Discharge Immunity,

IEC 61000-4-3 Radiated Immunity,

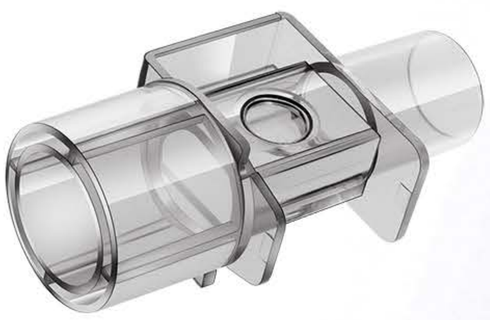
Designed to comply with 93/42/EEC (MDD CE Marking), FDA Standards,

Minimum Performance and Safety Requirements for Capnometers

ISO80601-2-55

Configurations of the module's accessories

Airway Adaptor

	Patient Type	Color	Weight	Dead Speace	ET tube Size	Materia	Unit Packaging
 **mA1** 668560	Adult/ Pediatric	Brown	7g	5cc	>=4mm	Polycar-bonate	10
 **mA1N** 668561	Infant	Brown	11g	1cc	=<4mm	Polycar-bonate	10

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