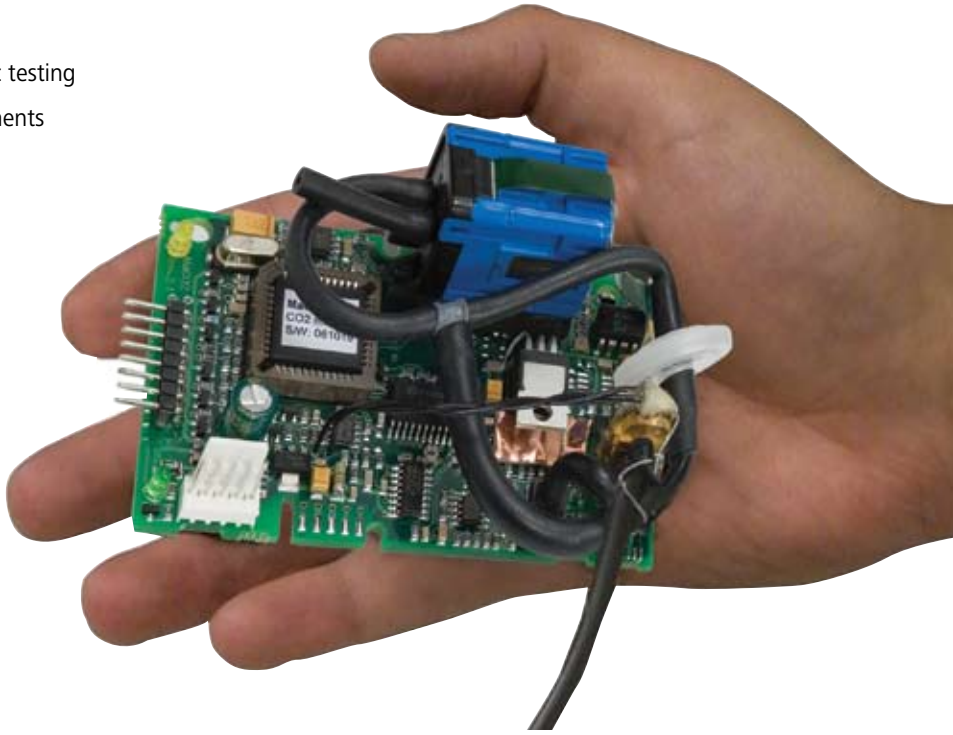
MA♥CO$_2$

Features:

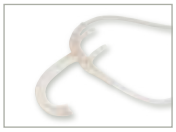
- Superior Optical Bench – stable in cold temperature
- Fast First Breath Reading – because time matters
- Quiet Pump – ideal for home use and sleep diagnostic testing
- Advanced Moisture Trap – for high humidity environments
- Low Power – longer battery life
- Non-Proprietary Tubing – reduces operation costs
- Easy Integration – shorter development cycle
- Brushless Pump – long lasting (>10,000 hours)



Sample Line Options:

Infant to Adult CO_2 Nasal Sampling Cannulas

Nasal/Oral Sampling Cannulas



Straight T-connector

Moisture Management Options:

Advanced Moisture Trap with Filter

Sample Line Disc Filter

With fast first breath $EtCO_2$ technology, the $MaCO_2$ capnography module is ideal for clinical settings where fast and easy $EtCO_2$ monitoring is required. The $MaCO_2$ module is a true performer for endotracheal tube placement verifications, waveform trend monitoring, detecting breathing irregularities, gauging the efficacy of CPR and procedural sedation monitoring. Its sidestream design can be used with both intubated and non-intubated patients. The $MaCO_2$ module provides $EtCO_2$, $FiCO_2$, respiratory rate and CO_2 waveform data using a simple serial protocol. A wide range of sampling lines, cannulas, and moisture management solutions are available.

MA♥CO$_2$

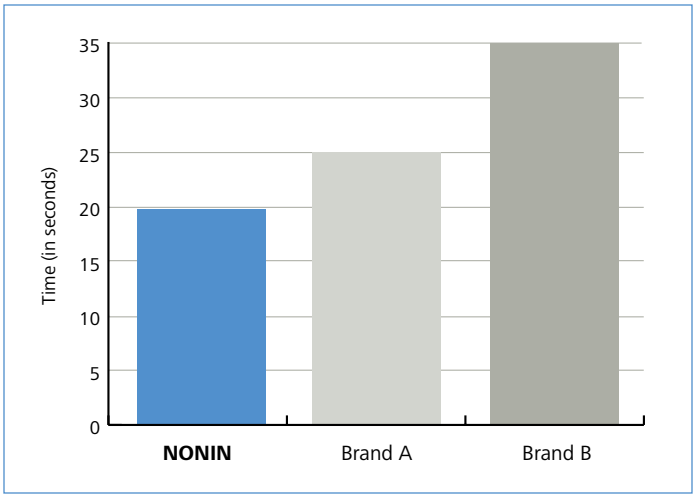
About the MaCO$_2$ EtCO$_2$ Technology:

The MaCO$_2$ is based on proven MedAir™ EtCO$_2$ technology as used in the NONIN LifeSense® Capnography/Oximeter product (K063752). The MACO$_2$ module uses advanced algorithms that adjust for CO$_2$ absorption, temperature, pressure, altitude, and respiration rate.

Unlike other technologies that interrupt patient measurements to auto-zero, the MaCO$_2$ module requires no interruption to compensate for drift. The MedAir optical bench provides stability as the temperature rapidly changes, making the MaCO$_2$ module ideal for transport.

Because time matters, the MACO$_2$ module utilizes fast-first-breath technology. With advanced algorithms and stable optical bench, the MaCO$_2$ module provides fast EtCO$_2$ measurement on the first breath and then adapts to a fast average based on two breaths.

Time from Power-On to First EtCO$_2$ Reading



Power Data

Power supply

Current consumption:	
Board:	70mA Typical, 100mA Max, 6V
Pump:	60mA Typical, 200mA Max, 5V
Voltage:	6 – 15 VDC

Physical Data

Dimensions:	60 x 96 x 25 mm
Weight:	32g + 21g pump + tubing & watertrap

Operation

Working temperature:	+5° to +40°C (41° to 104°F)
Humidity:	10 – 90% (non-condensing)
Atmospheric pressure:	860 – 1060 hPa

Storage

Storage temperature:	-20° to +50°C (-4° to +122°F)
Humidity:	10 – 95% (non-condensing)
Atmospheric pressure:	Up to 4 atmospheres (110 - 4050 hPa)

Pump

Pump flow:	75 ml/min
Flow accuracy:	±15ml/min

Capnography Measuring Data

Respiration range:	3 – 80 respirations/min
Respiration accuracy:	3 – 50 respirations/min ± 2
	51 – 80 respirations/min ± 5
EtCO$_2$/CO$_2$ range:	0 – 9.9 kPa, or 0 – 99 mmHg
EtCO$_2$/CO$_2$ accuracy:	±0.2 kPa / ±2 mmHg, +6% of reading

Interface

Communication rate:	Serial asynchronous 9600 baud
EtCO$_2$ technology:	Sidestream

Specifications are subject to change without notice

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NONIN medair™ | EtCO$_2$