



740SELECT™ Capnography: Masimo® ISA™ CO₂

The 740SELECT Series of patient monitors offers the option to continuously monitor End-Tidal Carbon Dioxide (etCO₂) using the Masimo ISA (Sidestream) CO₂ analyzer. ISA provides a “Plug-in and Measure” solution allowing the analyzer to be shared between multiple 740SELECT monitors enabled for CO₂ monitoring.

- The 740SELECT supports standard-of-care requirements, offering dual parameter (etCO₂ and SpO₂) and multi-parameter configurations for use in a wide variety of clinical settings
- Available parameters: etCO₂, SpO₂, NIBP, Predictive or Temporal Artery Temperature, Masimo rainbow® Parameters (RRa™, SpCO®, PVI®) and 3-Lead ECG.

740SELECT CO₂ Monitoring Features

Alarms/Alerts/Indicators:

- High and low alarm limits
- Audio and visual alerts
- No Breath Time (6, 10, 15, 20, 25, or 30 seconds)
- LEGI™ status Indicator on ISA analyzer

Alarm History Log:

Review of the most recent alarms and setting changes (400 entries)

Gas Compensation Adjustment:

O₂ (0-30, 31-70, 71-100)
N₂O (0-30, 31-70)

Measurements:

etCO₂ (mmHg or kPa)
FiCO₂ (mmHg or kPa), RRC

Patient Type:

Adult, Pediatric, Infant

Tabular Trends:

- Automatic 1 minute average of all CO₂ measured values
- Trend review (intervals 1, 5, 15 minutes; 1, 4 hours)
- Saved Snapshot review
- Date and time stamp
- Stored trends: 72 hours of 1 minute average

Waveforms:

- Capnogram, CO₂ trend
- Continuous and freeze waveform
- Size adjustment: 0-20, 40, 60 or 80 mmHg (0-2.5, 5, 8 or 11 kPa)

7" Color Touch Screen Display:

- For controlling and configuring the monitor
- One touch access to alarms settings and setup menu

Optional:

- Printer (external): prints CO₂ waveform and measured values, Print on Alarm, Print on Save, Print Tabular Trend
- ISA CO₂ analyzer holster: designed to secure ISA analyzer with quick release for portability

The ISA Sidestream CO₂ analyzer with Nomo technology delivers quick measurement time, precise measurements and crisp waveforms for an accurate patient assessment in any clinical situation.

ISA Sidestream CO₂ Analyzer Benefits

- Fast warm up time — 10 seconds to full accuracy
- Appropriate for monitoring infant, pediatric or adult patients
- Intubated or non-intubated patients
- Clear, accurate Capnogram at all respiratory rates up to 150 bpm
- Maintenance and calibration free technology
- Infrequent zeroing for uninterrupted monitoring
- Low noise pump supports quiet environment indicatives
- External "Plug-in and Measure" ISA analyzer for monitoring flexibility
- Compact size: 33 mm x 78 mm x 49 mm (1.3" x 3.1" x 1.9")
- Lightweight: <30 g
- IPX4
- Automatic pressure compensation

Nomoline "No Moisture" Sampling Line Benefits

- Reduces per patient CO₂ monitoring cost through:
 - Use of non-proprietary cannulas
 - Extended monitoring time in low and high humidity environments
- For use in all clinical applications and patient types
- Patented polymer design allows water in the sampling line to evaporate into the surrounding air:
 - Eliminates the need for a water trap
 - Leaves oxygen and carbon dioxide gases unaffected
- Hydrophobic filter protects ISA analyzer from water intrusion and cross-contamination
- Multi- and single patient use versions available

740SELECT Field Upgradeable CO₂ Software

The 740SELECT Open Technology Platform (OTP) allows CO₂ monitoring software to be installed at any time on any SELECT monitor as a CO₂ parameter upgrade.

Catalog No. Description

(Reference 21-05-0255 for a complete list of ISA CO₂ accessories)

01-03-0256	ISA CO ₂ Sidestream Analyzer (800101)
01-02-0852	Masimo etCO ₂ software factory enable license
01-02-0854	Masimo etCO ₂ software field enable license
01-02-0859	ISA CO ₂ Start-Up Kit
01-02-0881	ISA CO ₂ Analyzer Holster
01-02-0488	Nomoline Adapter (108220/box of 25)
01-02-0494	740SELECT Interface Cable

ISA CO₂ Specification

Method: Sidestream (non-dispersive IR)

Units: mmHg (mmHg or kPa via 740SELECT setting)

Parameters: etCO₂, FiCO₂, RRc

CO₂ measurement range: etCO₂ and FiCO₂: 0 to 150 mmHg

CO₂ measurement accuracy:

as measured with dry single gases: 0 to 15 vol%: ± (0.2 vol% + 2% of reading), 15 to 25 vol%: unspecified

CO₂ resolution: 1 mmHg

RRc (Resp. Rate) measurement range: 0 to 150 ± 1 bpm

RRc resolution: 1 bpm

Barometric pressure range: 525 to 1200 hPa (393.8 - 900.1 mmHg)

Barometric pressure compensation: automatic

Report interval: per breath

Flow rate: 50 ± 10 sml/min

Warm-up time required to meet accuracy specifications:

< 10 seconds (concentrations reported and full accuracy)

Total system response time :

< 3 seconds (with 2 m Nomoline sampling line)

Drift of measurement: no drift

Standards conformance:

ISO 80601-2-55: 2011 (respiratory gas monitoring)

Contact Zoe Medical customer support for ordering information at customersupport@zoemedical.com.

Dealer Imprint

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