



IRMA CO<sub>2</sub> analyzer shown with Airway adapter

## 740SELECT™ Capnography: Masimo® IRMA™ CO<sub>2</sub>

The 740SELECT Series of patient monitors offers the option to continuously monitor End-Tidal Carbon Dioxide (etCO<sub>2</sub>) using the Masimo IRMA (Mainstream) CO<sub>2</sub> analyzer. IRMA provides a “Plug-in and Measure” solution allowing the analyzer to be shared between multiple 740SELECT monitors enabled for CO<sub>2</sub> monitoring.

- The 740SELECT supports standard-of-care requirements, offering dual parameter (etCO<sub>2</sub> and SpO<sub>2</sub>) and multi-parameter configurations for use in a wide variety of clinical settings.
- Available parameters: etCO<sub>2</sub>, SpO<sub>2</sub>, NIBP, Predictive or Temporal Artery Temperature, Masimo rainbow® Parameters (RRa™, SpCO®, PVI®) and 3-Lead ECG.

### 740SELECT CO<sub>2</sub> 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)
- LED status Indicator on IRMA analyzer

#### Alarm History Log:

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

#### Measurements:

etCO<sub>2</sub> (mmHg or kPa),  
FiCO<sub>2</sub> (mmHg or kPa), RRc

#### Patient Type:

Adult, Pediatric, Infant

#### Tabular Trends:

- Automatic 1 minute average of all CO<sub>2</sub> 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, CO<sub>2</sub> trend
- Continuous and Freeze waveform
- Size adjustment: 0-20, 40, 60 or 80 mmHg (0-2.5, 5, 8 or 11 kPa)

#### 7" Touch Screen Display:

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

#### Optional:

- Printer (external): prints CO<sub>2</sub> waveform and measured values, Print on Alarm, Print on Save, Print Tabular Trend

The IRMA Mainstream CO<sub>2</sub> analyzer is small, lightweight and delivers quick measurement time, precise measurements and crisp waveforms for an accurate patient assessment in any clinical situation.

### Masimo IRMA Mainstream CO<sub>2</sub> Analyzer Benefits

- No heater, short warm-up time (<10 seconds)
- Infrequent, quick and easy zeroing
- No respiratory gas removed
- Dead-space: 6 ml (adult/pediatric) or 1 ml (infants)
- Status LED indicator on IRMA probe
- Fast response time, short rise time, crisp waveforms
- Insensitive to moisture and patient secretions
- Automatic pressure and temperature compensation
- IPX 44
- Factory calibrated
- Lightweight: < 25 g
- Durable, withstands repeated 1.8 m drops
- Compact design
- External "Plug-in and Measure" IRMA analyzer for monitoring flexibility

### 740SELECT Field Upgradeable CO<sub>2</sub> Software

The 740SELECT Open Technology Platform (OTP) allows CO<sub>2</sub> Monitoring Software to be installed at any time on any SELECT monitor as a CO<sub>2</sub> parameter upgrade.

#### Catalog No. Description

(Reference 21-05-0255 for a complete list of IRMA CO<sub>2</sub> accessories)

01-02-0854	Masimo etCO <sub>2</sub> software field enable license
01-02-0860	IRMA CO <sub>2</sub> Start-Up Kit
01-02-0852	Masimo etCO <sub>2</sub> software factory enable license
01-02-0843	IRMA CO <sub>2</sub> Mainstream Analyzer (200101)
01-02-0879	Adult/Pediatric Airway Adapter (106220)
01-02-0877	Infant Airway Adapter (106260)
01-02-0494	740SELECT Interface Cable

### Masimo IRMA Mainstream CO<sub>2</sub> Analyzer Specification

**Method:** Mainstream (non-dispersive IR)

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

**Parameters:** etCO<sub>2</sub>, FiCO<sub>2</sub>, RRc

**CO<sub>2</sub> measurement range:** etCO<sub>2</sub> and FiCO<sub>2</sub>: 0 to 150 mmHg

**CO<sub>2</sub> measurement accuracy:**

-dry single gases at 22 ± 5 °C and 1013 ± 40 hPa

-0 to 15 vol%: ±(0.2 vol% + 2% of reading)

-15 to 25 vol%: unspecified

-all conditions: ±(0.3 kPa + 4% of reading)

**CO<sub>2</sub> resolution:** 1 mmHg

**RRc (Resp. Rate) measurement range:**

0 to 150 ± 1 bpm; RRc is displayed after 3 breaths and the average value is updated every breath

**RRc resolution:** 1 bpm

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

**Barometric pressure compensation:** automatic

**Report interval:** per breath

**Warm-up time required to meet accuracy specifications:**

< 10 seconds (concentrations reported and full accuracy)

**Total system response time:** < 1 second

**Drift of measurement accuracy:** no drift

**Standards conformance:**

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

Contact Zoe Medical customer support for ordering information at [customersupport@zoemedical.com](mailto:customersupport@zoemedical.com).

Dealer Imprint

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