

# CapnoTrue® – CO<sub>2</sub>/SpO<sub>2</sub> Monitor

Ultra-compact and ergonomic



» PRODUCTS that care  
for you «



 Made in Europe

  German and Swedish Technology

# CapnoTrue® AMP and CapnoTrue® ASP Mainstream and Sidestream CO<sub>2</sub>/SpO<sub>2</sub> Monitors

Advanced and reliable capnograph and pulse oximeter combined in a single monitor.



## Key features of CapnoTrue® AMP

- Mainstream CO<sub>2</sub> measurement with the **IRMA CO<sub>2</sub> Analyzer**
- Warm-up time: < 10 seconds full specification
- Direct measurement without time delay
- Small, light-weight and shock-resistant: the **IRMA CO<sub>2</sub> Analyzer** weighs less than 30 g
- Adult/paediatric and infant **IRMA Airway Adapters**
- Plug and measure technology
- **IRMA Airway Adapters** with non-condensing light transmission XTP™ window
- No occlusion by water or mucus possible
- Maintenance and calibration-free technology
- Full range of key technology accessories
- Wide range of high-quality SpO<sub>2</sub> sensors

## Key features of CapnoTrue® ASP

- Sidestream CO<sub>2</sub> measurement with the **ISA CO<sub>2</sub> Analyzer** and Nomo technology
- Warm-up time: < 10 seconds full specification
- Specially designed for low flow applications: 50 ml/min sampling flow for all applications, from adults to infants
- For intubated and non-intubated patients
- Maintenance and calibration-free technology
- The **Nomo Adapter** is specifically designed to remove water and water vapour from the sampled gas
- The **Nomo Adapter** includes a hydrophobic bacterial filter to protect against water intrusion and cross contamination
- Full range of key technology accessories
- Wide range of high-quality SpO<sub>2</sub> sensors

### Delivery package of CapnoTrue® AMP

- Mainstream device
- IRMA CO<sub>2</sub> Analyzer
- IRMA Airway Adapter (adult/paediatric)
- Reusable SpO<sub>2</sub> sensor
- USB data cable
- CapnoTrue® power supply (EU and UK plug)
- 4 batteries (AA)
- 1 Li-ion rechargeable battery
- Silicone protective cover
- PC software
- Instruction manual

### Delivery package of CapnoTrue® ASP

- Sidestream device
- Nomo Adapter
- Sampling line
- Sidestream airway adapter (adult/paediatric)
- Reusable SpO<sub>2</sub> sensor
- USB data cable
- CapnoTrue® power supply (EU and UK plug)
- 4 batteries (AA)
- 1 Li-ion rechargeable battery
- Silicone protective cover
- PC software
- Instruction manual

For further accessories, please visit [www.bluepoint-medical.com](http://www.bluepoint-medical.com)



## Ultimate performance in capnography and pulse oximetry «

» *The ultra-compact, ergonomic design of CapnoTrue® combines outstanding performance and reliability in mainstream or sidestream CO<sub>2</sub> and SpO<sub>2</sub> monitoring.*

- High performance capnography with either mainstream or sidestream measurement
- Advanced pulse oximetry combining innovative technologies with advanced features
- Application range from infants to adults
- Display of etCO<sub>2</sub>, FiCO<sub>2</sub>, SpO<sub>2</sub>, Respiration and Pulse Rate, capnogram and plethysmogram
- For intubated and non-intubated patients
- Maintenance and calibration-free technology
- Small, light-weight and shock-resistant mainstream IRMA CO<sub>2</sub> Analyzer
- Low flow sidestream sampling with the new Nomo technology
- Superior performance, easy to use and ergonomic design
- Up to 6 hours battery operation for extended transport time
- Storage capacity for patient data of up to 400 h
- USB interface and PC software
- Up to 16 language versions available
- Key technology accessories ensure reliable monitoring
- Autoclavable **SoftCap® A** and other high-quality SpO<sub>2</sub> reusable and disposable sensors
- Two years warranty



### » Applications

CapnoTrue® AMP and ASP are well suited for:

- Patient transport within and between hospitals
- Rescue services and emergency medicine
- Resuscitation
- General and PICU
- Ventilator management and weaning

# SoftCap® and SoftCap® A

» 3rd generation of soft sensors

## Key Technology Accessories

*The CapnoTrue® provides you with leading technology sensors and accessories.*

### SpO<sub>2</sub> sensors

A wide range of flexible, robust and hygienic adult and paediatric SpO<sub>2</sub> sensors is available, including the 3rd generation soft sensors, fingerclip, wrap and ear sensors, as well as disposable sensors for use on adults through to neonates.

With the new **SoftCap® A Sensors**, it is possible for the first time to **autoclave SpO<sub>2</sub> sensors at 134°C**, thus eliminating the risk of nosocomial infections, resulting from pathogenic microorganisms or multi-resistant germs. All reusable sensors are supplied with a **two-year-warranty**.

For further information, please visit [www.bluepoint-medical.com](http://www.bluepoint-medical.com)



### Available sensors



SoftCap® SC  
SoftCap® SCA



SoftCap® SCP  
SoftCap® SCPA



SoftFlap® SF



SoftWrap® W



Disposables



Ear Sensor EP

## CapnoTrue® AMP Accessories

### Mainstream measurement

The 30 grams **IRMA CO<sub>2</sub> Analyzer** sets new standards in CO<sub>2</sub> monitoring and provides reliable and easy CO<sub>2</sub> monitoring by mainstream measurement without time delay.

- Small and light-weight
- Plug and measure technology
- Shock resistant
- Two years warranty

The **IRMA Airway Adapters** are supplied in two versions for adult/paediatric and infant applications.

- Non-condensing light transmission XTP™ window
- Low dead space

## CapnoTrue® ASP Accessories

### Sidestream measurement

In combination with the Nomo technology that removes water from the sampled gas, the **ISA CO<sub>2</sub> Analyzer** delivers highest performance in an ultra-compact format.

The **Nomo Adapter** incorporates a unique water separation section made of a special polymer with an integrated hydrophobic bacterial filter. The **Nomo Adapter** passes water vapour and condensed water through its membrane-like surface and evaporates it into the surrounding air, while leaving the carbon dioxide concentration unaffected.

The Nomo technology allows for up to two weeks of continuous monitoring with high moisture containing breathing gases – a first for capnography.

The Nomo Adapter contains a hydrophobic bacterial filter (efficiency  $\geq 99.9980\%$ ) to protect the **ISA CO<sub>2</sub> Analyzer** from water intrusion and cross contamination.



IRMA Airway Adapter and IRMA CO<sub>2</sub> Analyzer



Nomo Adapter



Sampling line



Infant Adapter



Adult Adapter

# Technical data

Specification		
Measurement Range	etCO <sub>2</sub> and FiCO <sub>2</sub>	0 - 15 %
	SpO <sub>2</sub>	0 - 100 %
	Respiration Rate	0 - 150 l/min
	Pulse Rate	20 - 300 l/min
Accuracy	etCO <sub>2</sub> and FiCO <sub>2</sub>	+/- (0.2 Vol % + 2 % of reading)
		+/- (0.3 Vol % + 4 % of reading) incl. interfering gases
	SpO <sub>2</sub>	+/- 2 % (70 - 100%)
	Respiration Rate	+/-1 digit
	Pulse Rate	+/-1 digit (up to 100 l/min) or +/- 1 % (> 100 l/min)
Display		
Parameters displayed	Numerical	End-tidal (et) CO <sub>2</sub> and inspired (Fi) CO <sub>2</sub> in Vol %, kPa or mmHg, oxygen saturation (SpO <sub>2</sub> ), Respiration Rate (RR), Pulse Rate (PR), capnogram, plethysmogram and short term trend
	Indicators	Signal strength and signal quality, pulse amplitude, battery status, alarm mute, pulse tone mute, storage status, real-time mode, neonatal mode, time
Characteristics	Active OLED colour graphic display, 262 000 colours, 240 x 320 pixel	
Trend information		
Long term trend	up to 400 hours	
Short term trend	15 min/1 h/6 h	
Language versions		
Please indicate language version when ordering	Europe: EN, DE, ES, FR, IT, NL, S, RU, FI (additional language versions on request)	
	Asia: EN, CN, JP (additional language versions on request)	
Environmental conditions		
Operation	0 - 50 °C, 15 - 95 % RH (non-condensing), 60 - 120 kPa (excl. Li-ion battery)	
Storage	-30 - 70 °C, 10 - 95 % RH (non-condensing), 60 - 120 kPa (excl. Li-ion battery)	
Classification		
Product class	IIb (in accordance with MDD 93 / 42 / EEC)	
Safety	Class of protection II / Type BF – Type and degree of protection against electrical shock	
Construction	IPX1 (with silicone protective cover)	
Standards	EN 60601-1:1988; IEC 60601-1-2:2007; IEC 60601-1-4:2000; IEC 60601-1-8:2006; ISO 21647:2004; ISO 9919:2005; ISO 5356-1:2004; DIN EN 1789:2007, EN864:1996	
Miscellaneous		
Dimensions (L x W x D)	150 mm x 75 mm x 35 mm	
Weight	< 400 g (complete device with batteries)	
Power supply	Power supply 90 - 260 V AC / 6 V DC, 50 - 60 Hz, 4 AA batteries, 2.5 Ah Li-ion battery	
Battery capacity	up to 6 hours continuous operation	
Communication interface	USB 2.0	

Specification subject to change

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CapnoTrue® AMP and ASP CO<sub>2</sub>/SpO<sub>2</sub> Monitors and IRMA CO<sub>2</sub> Analyzer, ISA CO<sub>2</sub> Analyzer and SoftCap® Sensors are classified and certified as class IIb products.

For further information, please visit

**[www.MEDACX.co.uk](http://www.MEDACX.co.uk)**

