

Capnotrue® MG-AA/CO2/SPO2 monitors (for rats and large animals)



Features

High-performance and versatile anaesthetic agent monitoring.

- Innovative micro-optic technology
- Direct mainstream measurement without time delay
- · Compact, robust and ultra-light multigas analyzer
- Warm-up time <20 seconds full specification
- Maintenance and calibration free technology
- Self-explanatory, ergonimic operating function faci- litate intuitive operation
- The colour information display, as well as the sim- ple information stucture, support quick decisions and a rapid user reaction in critical situations
- Leading-edge power management with standard alkanline batteries or Li-Poly batteries or medical power supply (orcombined)
- Two years warranty.

Dilivery Package

- CapnoTure MG Multigas/SpO2 Monitor
- IRMA™ AX + Analyser
- Instruction manual
- 1 Li-ion rechargeable batterij
- PC software
- 4 batteries (AA)
- IRMA™ Airway Adapter
- Reusable SpO² sensor
- Silicone protective cover
- USB data cable
- Manual





The CapnoTrue MG Monitor can be used in combination with the uno MiCroVenTiLaTor - uMV-03.

The CapnoTrue MG monitors including the IRMA $^{\text{\tiny M}}$ CO2 analyzer, ISA $^{\text{\tiny M}}$ CO2 analyzer and SoftCap Sensors are classified and certified as class IIb products.

Tecnical data

Display				
	Numerical	End-tital (et) CO ² ,-,N ² O-and agent concentrations, inspired (Fi) CO ² , N ² O and agent concentrations (SpO ²), Respiration Rate (RR), Pulse Rate (PR)		
Parameters displayed	Graphical	Capnogram and trends of numerical data (15 min/l h./6 h.)		
	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 gramm)	raphic display, 262.000 colours, 240 x 320 pixel (42 mm x 56		
Capnography and anaesthetic agent measurement specifications				
Measurement range	etCO ² and FICO ²	0-15%		
	FIN ² O	0-100%		
	Hal, Iso, Enf	0-8%		
	Sev	0-10%		
	Des	0-22%		
	Respiration rate	0-150 l/min		
Accuracy	EtCO ² en FICO ²	+/- (0,2 vol % + 2% of reading) +/- (0,3 vol % + 4% of reading) incl. interfering gasses		
	N ² O	+/- (2 vol % + 2% of reading) +/- (3 vol % + 5% of reading) incl. interfering gasses		
	Hal/Iso/Enf/Sev/Des	+/- (0,15 vol % + 5% of reading) +/- (0,2 vol % + 10% of reading) incl. interfering gasses		
	Ademhalingsvolume	+/- 1		
Warm-up time	<20 seconds full spec	cification		
Pulse Oximetry Specifications				
Measurement Range	SpO ² Pulse Rate	1 -100% 20-300 l/min		







Accuracy	SpO ² Pulse Rate	+/- 2% (70 bis 100%) +/- 1 digit (up to 100 l/min) or +/- 1% (> 100 l/min)		
Trend Information				
Long term trend	up to 150 hours			
Short term trend	15 min/l u./6h			
Alarms				
Limits	Adjustable limits for all numerical parameters except for MaC			
Alerts	Audible and visual alarms (comlies with EN60601-1-8)			
Storing Data				
Communication interface	USB 2.0			
Data memory capacity	up to 150 hours			
Real-time-mode	Visualisation and storage of numerical parameters on a computer every 4 seconds			
Computer Software	CapnoTrue® MG PC Software for data download and real-time mode			
Power supply				
Battery	Working time with full functionalilty approx. 4,5 hours, 4 alkalline batteries (AA/LR6/AM3/MN1500/Mignon), 1,5V			
Li-Poly battery	Working time with full funtionalilty approx. 7 hours, Li-Poly battery, Model No CT-2500, 3,7V, 2500 mAh, charging time approx 5 hours			
AC power supply	Model No. FW 7660M/06, medical power supply with option for country-specific input plug, input: 100-240V AC/50-60Hz / 250 mA, output: 6 VDC/1,4A			
Specifications Environmental conditions				
Operation	10 - 40°C, 15 -95% r.H. (non-condensing), 60 - 120 kPa (excl. Li-poly battery)			
Storage	-20 -70°C, 10 - 95% r.H. (non-condensing), 60 - 120 kPa (excl. Li-poly 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 shock			
Construction	IPX1 (with silicone protective cover)			
Normen	EN 60601-1:2006, IEC 60601-1-1:2001, IEC 60601-1-4-2000; IEC 60601-1-8:2006: ISO 21647:2004:ISO 9919:2005; ISO 5356-1:2004; DIN EN 1789:2007, EN846:1996			
Miscellaneous				
Dimensions	150 mm x 75 mm x 35 mm			
Weight	< 400 g (complete device with batteries)			







With its ultra-compct, light and easy to handle design, the Capnotrue®MG is the perfect felxible and mobile monitor for identifying and quantifying the five most important anaesthetic agents as well as other gases and parameters:

- Halothane, Isoflurane, Enflurane, Sevoflurane and Desflurane
- N²O
- etCO2, FICO2
- Oxygen saturation
- Respiration and Pulse Rate

By direct measurement in the mainstream, there is no time delay in the measuring data.

Reliable automatic agent identification and quantification

The IRMA AX+ Analyzer is equipped with state-of-the-art NDIR technology with up to 9-channel gas type analysis in the $4-10\mu m$ range and offers reliable agent identification and quantification even in gas mixtures. It weighs less than 25 g.

Probes to be used with rat

Probes to be used with large animals





Ordering number

180000171	Capnotrue MG (Multigas)
180000172	Adjusted Probe to be used with Rats
180000173	Probe to be used with larger Animals

