



CARFIL QUALITY
YOUR SUPPLIER FOR ALL LABORATORY NEEDS

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, ergonomic operating function facilitate intuitive operation
- The colour information display, as well as the simple information structure, support quick decisions and a rapid user reaction in critical situations
- Leading-edge power management with standard alkaline batteries or Li-Poly batteries or medical power supply (or combined)
- Two years warranty.

Delivery Package

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



PAVAN SERVICE BVBA

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

The CapnoTrue MG monitors including the IRMA™ CO₂ analyzer, ISA™ CO₂ analyzer and SoftCap Sensors are classified and certified as class IIb products.

Technical 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 graphic display, 262.000 colours, 240 x 320 pixel (42 mm x 56 mm)	

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 specification	

Pulse Oximetry Specifications

Measurement Range	SpO ₂	1 -100%
	Pulse Rate	20-300 l/min



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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 (complies 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 functionality approx. 4,5 hours, 4 alkaline batteries (AA/LR6/AM3/MN1500/Mignon), 1,5V	
Li-Poly battery	Working time with full functionality 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)	





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With its ultra-compact, light and easy to handle design, the Capnotrue®MG is the perfect flexible 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 4-10µm 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



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