



TECHNICAL DATA SHEET

RGA MONITOR (Anaesthetic agents+CO2)

Rev: 1 del 27/03/2002

Environment	
Working:	
Temperature	From 10 to 40°C
Atmospheric pressure	From 570 to 1100 hPa
Humidity	From 5 to 90%
Storage:	
Temperature	From -20 to 70°C
Atmospheric pressure	From 115 to 1100 hPa
Humidity	From 5 to 95%
<u>Operation features:</u>	
CO2 measurement	
Aspiration speed	150mL/min \pm 20mL/min
Measuring range	From 0 to 10.0 Vol.%/kPa, From 0 to 75mmHg
Accuracy	\pm 0.5Vol.% or \pm 12% rel., whichever is higher \pm 4mmHg or \pm 12%rel., whichever is higher
Resolution	1mmHg / 0.1Vol.% / 0.1kPa
Response time t 10...90	<350ms
Delay time	<4s (with original sampling tube)
Warm-up	4 min
Drift	
Zero Point	Within indicated specifications
Anaesthetic Gas Measurement	
Aspiration speed	150mL/min \pm 20mL/min
Response time t 10...90	<500ms
Display range for N2O	From 0 to 99 Vol.%
Accuracy	\pm (2 Vol.% + 8% rel.)
Resolution	1 Vol.%
Display range for Halotane	From 0 to 8.5 Vol.%
Accuracy	\pm (0.15 Vol.% + 15% rel.)
Resolution	0.1 Vol.%
Display range for Isoflurane	From 0 to 8.5 Vol.%
Accuracy	\pm (0.15 Vol.% + 15% rel.)
Resolution	0.1 Vol.%
Display range for Enflurane	From 0 to 10 Vol.%
Accuracy	\pm (0.15 Vol.% + 15% rel.)
Risoluzione	0.1 Vol.%
Display range for Sevoflurane	From 0 to 10.0 Vol.%
Accuracy	\pm (0.15 Vol.% + 15% rel.)
Resolution	0.1 Vol.%
Display range for desflurane	From 0 to 22 Vol.%
Accuracy	\pm (0.15 Vol.% + 15% rel.)
Resolution	0.1 Vol.%
Warm-up	4 min
Drift	
Zero point	Within indicated specifications

Measurement of functional oxygen SpO2 saturation	
Functional SpO2 oxygen saturation	From 1 to 100% SpO2
Resolution	1% SpO2
Accuracy (adults)	
Range from 70 to 100% SpO2	Min. $\pm 3.5\%$ SpO2, upon the sensor type
Range from 1 to 69% SpO2	Not specified
Accuracy (newborns)	
Range from 70 to 100% SpO2	Min. $\pm 4.5\%$ SpO2, upon the sensor type
Range from 1 to 69% SpO2	Not specified
Heart Rate	From 20 to 250/min
Resolution	1/min
Accuracy	± 3 /min
Attuation	<1s
Mean calculation	
Slow	From 10 to 15 seconds
Normal	From 5 to 7 seconds
Speed	From 2 to 3 seconds
Sensors	
Type	Compatible with Nellcor Oxisensor, Oxiband Durasensor
Waveforms	66nm, 920nm
Lighting energy	<10mW
Acoustic pulse signal	One tone is generated for each detected pulse beat.
Typical operation values	
Main Supply	From 100 to 240 V, 50/60Hz
Noise emission (in conformity to measurement on open field on reflecting level)	max. 45dB (A)
Power absorbtion	<25W during warm-up <15W during operation
Charging time with full battery	>1.5 hours
Charging time with low built-in battery	10 hours approx.
Power failure alarm duration	>20 s
Dimensions L x H x D (with watertrap)	240 x 166 x 165 cm
Weight	
without built-in battery	1.9kg
with built-in battery	2.4kg
Classification	
Protection Class	Class I
with SpO2 option	Type BF
Electromagnetic Compatibilty EMC	Homologated in accordance with EN 60601-1-2
Classification according to EC/93/42 MDD appendix IX	Class IIa
UMDNS code	17-445
Naming universal system for medical equipment	
Interfaces	
RS 232	
Plug	9 pin, Sub-D, 1.5 kV insulation
Wiring	1 protection 2 TXD 3 RXD 5 GND



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