

MultiGasAnalyser™ OR-703



Simple Measurement of Anaesthetic Gases

imtmedical has expanded the capabilities of the FlowAnalyser with the MultiGasAnalyser OR-703 by offering instant gas concentration measurements of CO₂, N₂O, Halothane, Enflurane, Isoflurane, Sevoflurane and Desflurane.

Main Features

- The world's smallest and lightest Multi-Gas Sensor
- Seamless integration of the MultiGasAnalyser with the FlowAnalyser and FlowLab Software:
 - Direct interfacing of all data with the FlowAnalyser
 - Total bench or portable operation with integrated battery
 - Fast response without stabilization time
 - Full data storage and test report printing capabilities

Data instantly available on the FlowAnalyser display



Easy and simple Plug & Play installation...



...through the RS-232 port.



The imtmedical MultiGasAnalyser OR-703 probe is designed using the latest advances in micro system technology. The MultiGasAnalyser OR-703 provides a complete in-line, real-time monitoring system with unique versatility and design. When testing the performance and accuracy of anaesthesia delivery and monitoring systems or CO₂ monitoring devices, the sensor proves its absolute reliability. The MultiGasAnalyser OR-703 sensor head measures infrared light absorption at several different wavelengths and determines the precise gas concentrations of the mixtures.

Measurements	Range	Accuracy
CO ₂	0 - 10%	± (0.2% ABS + 2% REL)
	10 - 20%	± (0.3% ABS + 4% REL)
N ₂ O	0 - 100%	± (2% ABS + 2% REL)
HAL, ISO, ENF	0 - 8%	± (0.15% ABS + 5% REL)
	8 - 12%	± (0.2% ABS + 10% REL)
SEV	0 - 10%	± (0.15% ABS + 5% REL)
	10 - 15%	± (0.2% ABS + 10% REL)
DES	0 - 22%	± (0.15% ABS + 5% REL)
	22 - 25%	± (0.2% ABS + 10% REL)
Response Time	CO ₂ < 90 ms, N ₂ O, AA < 300 ms, O ₂ < 300 ms	
Monitoring	Numerical data available with the FlowAnalyser	
	Numerical data and real-time curves available with FlowLab software	
Physical Data	Interface through RS-232 port	
	Weight < 25 g (excluding cable)	
	Size 3.8 x 2.9 x 3.1 cm (1.49 x 1.14 x 1.22 inches)	
Environmental Data	Operating 10 - 40°C	
	Storage -20 - 50°C	
	Humidity 10 - 95%, non-condensing	
	Atm. pressure 700 - 1200 mbar (3048 m)	
Compliance and Approvals	CE marked according to the 93/42/EEC MDD	
	ISO 11196:1997, EN 864:1996, EN 12598:1999, ISO/DIN 21647:2003,	
	ISO 7767, ASTM-F 1452-92, ASTM-F 1456-92 and ASTM-F 1462-93	

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Please contact us directly for further information. We would be glad to assist you.

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