

# MultiGasAnalyser

OR-703

analyser  
the art of measuring

## Simple measurement of anaesthetic gases

MultiGasAnalyser OR-703 expansion of the FlowAnalyser for the measurement of all anaesthetic and respiratory gases. Inspection and calibration of anaesthetic machines.

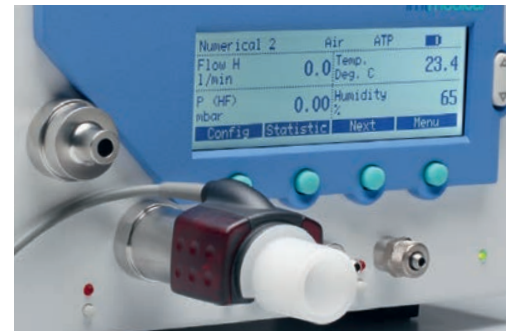
- Measurements of CO<sub>2</sub>, N<sub>2</sub>O, halothane, enflurane, isoflurane, sevoflurane and desflurane gases

## Characteristic features

- World's smallest multi-gas sensor
- Seamless integration of the MultiGasAnalyser with the FlowAnalyser and its FlowLab PC software:
  - Direct data interface to the FlowAnalyser
  - Battery and mains operation thanks to the supply of power via the FlowAnalyser
  - Very fast response time
  - Full data acquisition and test report capabilities
- Maintenance-free
- Measurement values directly displayed on the FlowAnalyser screen
- Control via the RS-232 interface



Visually the imtmedical MultiGasAnalyser OR-703 is convincing due to its compact construction. Internally it is appealing thanks to the deployment of state-of-the-art microsystem technology. The MultiGasAnalyser OR-703 offers unique flexibility for testing the dosing and monitoring of anaesthetic gases, as well as for precision control of CO<sub>2</sub> measurements. The sensor head measures infrared light absorption at various wavelengths to exactly determine the gas concentrations of the mixtures.



Parameter	Specification		
Order number	500.041.000		
Measurement values	<b>Range</b>	<b>Accuracy</b>	
	CO <sub>2</sub>	0 – 10%	± (0.2% ABS + 2% REL)
		10 – 20%	± (0.3% ABS + 4% REL)
	N <sub>2</sub> 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 <sub>2</sub> < 90 ms, N <sub>2</sub> O, AA < 300 ms, O <sub>2</sub> < 300 ms		
Monitoring	Numerical data and real-time curves using the FlowLab software		
	Numerical data in the FlowAnalyser		
	Control	via the FlowAnalyser's RS-232 port	
Dimensions	Weight	< 25 g (without cable)	
	Size	3.8 × 2.9 × 3.1 cm	
Ambient conditions	Operation	10 – 40° C	
	Storage	-20 – 50° C	
	Humidity	10 – 95 %, non condensing	
	Ambient pressure	700 – 1200 mbar (3048 m)	
Compliance & Approvals	CE marking as per 93/42/EEC MDD		
	ISO 11196:1997, EN 864:1996, EN 12598:1999, ISO/DIS 21647:2003, ISO 7767, ASTM-F 1452-92, ASTM-F 1456-92 and ASTM-F 1462-93		

