

MultiGasAnalyser

OR-703

analyser
the art of measuring

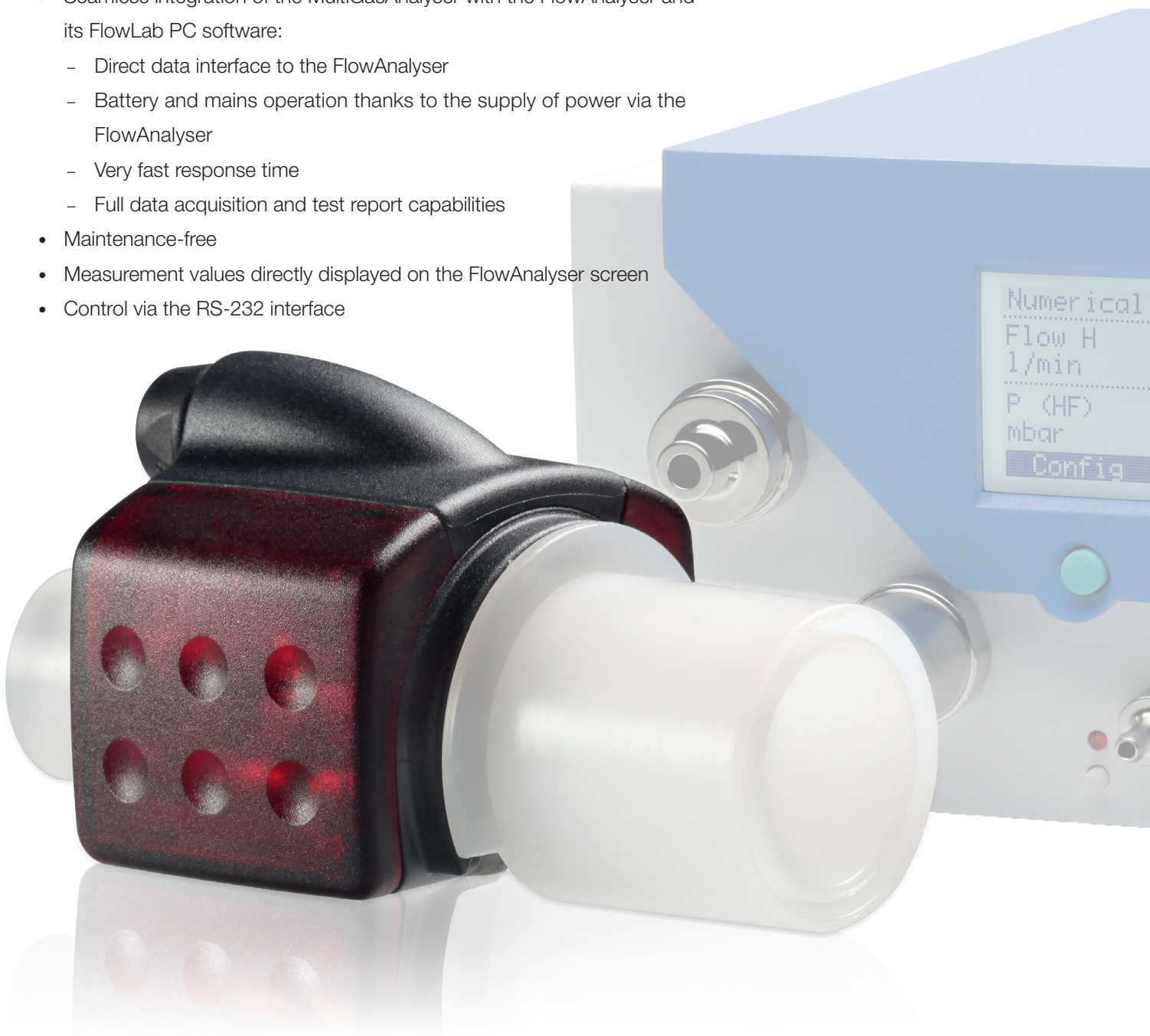
Simple measurement of anaesthetic gases

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

- Measurements of CO₂, N₂O, 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 IMT Analytics 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 CO₂ 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	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 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	EN ISO 80601-2-55:2011, IEC 60601-1:2005, EN ISO 5356-1:2004		

