

MultiGasAnalyser

OR-703

analyser
the art of measuring

Measurement of Anaesthetic Gases

The MultiGasAnalyser OR-703 can now be used with either the FlowAnalyser or CITREX H5 for the measurement of all anaesthetic agents and respiratory gases. Use the MultiGasAnalyser to inspect, verify or calibrate anaesthetic devices.

The OR-703 measures CO₂, N₂O, Halothane, Enflurane, Isoflurane, Sevoflurane and Desflurane gases.

Characteristic Features

- World's smallest multi-gas sensor
- Seamless integration of the MultiGasAnalyser with FlowLab PC software:
 - Direct data interface to the FlowAnalyser or CITREX H5
 - Very fast response time
 - Full data acquisition and test report capabilities
- Maintenance-free
- Measurement values directly displayed on the FlowAnalyser or CITREX H5 screen
- Control via the RS-232 interface



The IMT Analytics MultiGasAnalyser OR-703 is convenient to use due to its compact design. 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 the precision of CO₂ measurements. The sensor head measures infrared light absorption at various wavelengths to exactly determine the concentrations of gas 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 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	

