

**Compact, portable analyser for the measurement of 14 combinations of gases based on a thermal conductivity sensor.
The ideal analyser for mobile use and service.**

Benefits

- flexible due to 14 different 2-gas mixtures in one unit
- analysis of 3-component-mixtures, provided 2 gases of the mixture have a similar thermal conductivity and the third gas differs enough from this thermal conductivity
- mobile analysis of gas mixtures at the point of use
- continuous control of the gas mixtures when used with gas mixing systems
- alarm possible via min.- and max.- limit transmitter
- easy use through self-explaining functions and settings
- digital display
- easy calibration
- long lifetime of the sensor
- low maintenance, light and robust
- cost effective and proven in practise



Type	Multi-Analyser MFA 9000			
Measuring range 0–100%	H ₂ in Ar	H ₂ in N ₂ or air	He in N ₂ or air	He in N ₂ or air
	CO ₂ in Ar (0-60%)	CO ₂ in N ₂ or air	Ar in N ₂ or air	Ar in N ₂ or air
	Ar in CO ₂ (40-100%)	CH ₄ in N ₂ or air	O ₂ in N ₂	O ₂ in N ₂
	CH ₄ in Ar	N ₂ in Ar		
	O ₂ in Ar			
	O ₂ in CO ₂			
	calibration by customer			
Gas inlet pressure	min. 1.5 bar (dynamic), max. 20 bar (static)			
Flow rate	40 – 150 NI/h			
Resolution	0.1%			
Temperature (gas/environment)	-5 °C up to 50 °C (23 °F up to 122 °F)			
Accuracy	<1% end of measurement range			
Gas connections				
Inlet	Wittfix 6 mm			
Outlet	Wittfix 6 mm			
Housing	stainless steel			
Weight	approx. 10 kg			
Outlet signal	4 – 20 mA, RS232			
Dimensions (HxWxD)	approx. 240 x 240 x 230 mm (9.45 x 9.45 x 9.05 inches) (without connections)			
Voltage	100 – 230 V AC			
Power consumption	230 V AC / 0.145 A			
Approvals	Company certified according to ISO 9001 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC			