Product Information

MFA 9000

Compact, portable analyser for the measurement of 13 combinations of gases based on a thermal conductivity sensor. The ideal analyser for mobile use and service.

Benefits

- flexible due to 13 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
- 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

Technical Data

Type	Multi-Analyser MFA 9000			
Measuring range 0–100%	H_2	in Ar	H_2	in N_2 or air
	He	in Ar	He	in N_2 or air
	CO_2	in Ar (0-60%)	CO_2	in N_2 or air
	Ar	in CO_2 (40-100%)	Ar	in N_2 or air
	CH_4	in Ar	CH_4	in N_2 or air
	O_2	in Ar	O_2	in N_2
	N_2	in Ar		
	calibration by customer			
Gas inlet pressure	min. 1.5 bar (dynamic), max. 20 bar (static)			
Flow rate	40 - 150 Nl/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 inch) (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			