



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.

A flexible controller to guarantee quality and productivity of production processes.

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
- permanent monitoring of set limit values
- alarm possible via Min- and Max-limit transmitter
- easy use through self-explaining functions and settings via touch-screen
- easy calibration
- long lifetime of the sensor
- low maintenance, light and robust
- cost effective and proven in practise
- easy installation and start-up
- minimal response time
- quick change of gas combination
- operator friendly – data and process parameter entry and administration by means of integrated keyboard
- perfect documentation by complete user- and product data as well as error logs
- measured data storage
- administration of gas mixtures
- user management for measurement personalization
- Ethernet connection for network integration
- data transfer via USB port
- hygienic and easy to clean splash-proof stainless steel cabinet / housing

Options

- various Ethernet cable

Caution!

**Combine fuel gases with inert gas only.
Not suitable for flammable gas mixtures!**

Type	Multi-Analyser MFA 10.0			
Measuring range 0–100%	H ₂ in Ar	H ₂ in N ₂	He in N ₂	CO ₂ in N ₂
	He in Ar	He in N ₂	CO ₂ in N ₂	
	CO ₂ in Ar (0-50%)	CO ₂ in N ₂		
	Ar in CO ₂ (50-100%)			
	Ar in N ₂			
	CH ₄ in Ar	CH ₄ in N ₂		
	O ₂ in Ar	O ₂ in N ₂		
	O ₂ in CO ₂			
	Option:			
	H ₂ in CH ₄	N ₂ O in N ₂		
	calibration by customer			
Measuring system	thermal conductivity, long lifetime			
Gas inlet pressure	min. 2.0 bar (dynamic), max. 10 bar (static)			
Flow rate	40 - 150 NI/h			
Resolution	0.01%			
Temperature (gas/environment)	-5 °C up to 45 °C			
Accuracy	<1% end of measurement range			
Gas connections				
Inlet	WITTFIX 6 mm			
Outlet	WITTFIX 6 mm			
Alarm contacts	2 potential free contacts for min. and max. settings (adjustable for each gas)			
Interfaces	USB RJ45 Ethernet analog output 4-20 mA			
Languages	multilingual			
Housing	stainless steel, IP 54			
Weight	approx. 9 kg			
Dimensions (HxWxD) with carry handle	approx. 240 x 330 x 300 mm (9.45 x 12.99 x 11.81 inches) (without connections)			
Voltage	100 - 230 V AC 50 - 60 Hz			
Power consumption	230 V AC / 0.175 A			
Approvals	Company certified according to ISO 9001 CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU			