



**Compact, portable analyser for the measurement of 16 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 16 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%	<table border="0"> <tr> <td>H₂ in Ar</td> <td>H₂ in N₂</td> </tr> <tr> <td>He in Ar</td> <td>He in N₂</td> </tr> <tr> <td>CO₂ in Ar (0-50%)</td> <td>CO₂ in N₂</td> </tr> <tr> <td>Ar in CO₂ (50-100%)</td> <td>Ar in O₂</td> </tr> <tr> <td>Ar in N₂</td> <td></td> </tr> <tr> <td>CH₄ in Ar</td> <td>CH₄ in N₂</td> </tr> <tr> <td>O₂ in Ar</td> <td>O₂ in N₂</td> </tr> <tr> <td>O₂ in CO₂</td> <td></td> </tr> <tr> <td>N₂ in Ar</td> <td>N₂ in H₂</td> </tr> </table> <p>calibration by customer</p>	H ₂ in Ar	H ₂ in N ₂	He in Ar	He in N ₂	CO ₂ in Ar (0-50%)	CO ₂ in N ₂	Ar in CO ₂ (50-100%)	Ar in O ₂	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		N ₂ in Ar	N ₂ in H ₂
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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																		