GAS ANALYSER MFA 10.0

www.wittgas.com

Compact, portable analyser for the measurement of 15 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 15 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
- simple to operate 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
- permanent monitoring of set limit values
- operator friendly – data and process parameter entry and administration by means of integrated keyboard or remote personal computer (e.g. MS-Excel®)
- 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
- individual configurable error codes with respective error logging
- remote transmission of results via Ethernet
- Ethernet connection for network integration
- data transfer via USB port
- hygienic and easy to clean splash-proof stainless steel cabinet / housing

Options

- automatic change over to calibration gas
- various Ethernet cable

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

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Type	Multi-Analyser MFA 10.0
Measuring range 0–100%	H_2 in Ar He in Ar CO_2 in Ar (0-60%) Ar in CO_2 (40-100%) CH_4 in Ar O_2 in Ar O_2 in CO_2 H_2 in N_2 He in N_2 CO_2 in N_2 Ar in O_2 CH_4 in N_2 O_2 in N_2 N_2 in Ar N_2 in H_2 calibration by customer
Measuring system	thermal conductivity, long lifetime
Gas inlet pressure	min. 1.5 bar (dynamic), max. 10 bar (static)
Flow rate	40 - 150 Nl/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 44
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

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