GAS ANALYZER MFA 10.0

Compact, portable analyzer for the measurement of 16 combinations of gases based on a thermal conductivity sensor.
The ideal analyzer 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 gas mixture change

- 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

- 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 $\quad$ H_2 in N_2 He in Ar $\quad$ He in N_2 CO_2 in Ar (0-50%) $\quad$ CO_2 in N_2 Ar in CO_2 (50-100%) $\quad$ Ar in O_2 Ar in N_2 CH_4 in Ar $\quad$ CH_4 in N_2 O_2 in Ar $\quad$ O_2 in N_2 O_2 in CO_2 N_2 in Ar $\quad$ N_2 in H_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 Nl/h
Resolution	0.01%
Temperature (gas/environment)	-5 °C up to 45 °C (23 °F up to 113 °F)
Accuracy	<1% end of measurement range
Gas connections **Inlet** **Outlet**	 WITTFIX 6 mm 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