GAS ANALYSER MFA 10.0

WITT
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

- 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

- 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!

GAS ANALYSER MFA 10.0

Type	Multi-Analyser MFA 10.0
Measuring range **0–100%**	H_2 in Ar $\qquad$ H_2 in N_2 He in Ar $\qquad$ He in N_2 CO_2 in Ar (0-60%) $\qquad$ CO_2 in N_2 Ar in CO_2 (40-100%) $\qquad$ Ar in O_2 CH_4 in Ar $\qquad$ CH_4 in N_2 O_2 in Ar $\qquad$ O_2 in N_2 O_2 in CO_2 $\qquad$ N_2 in Ar $\qquad\qquad\qquad\qquad$ 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 $\quad$ **Inlet** $\quad$ **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 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