

# GAS ANALYSER

Application:  
- Food Packing



**MFA 9000**

Made in Germany

Product of



**Compact, portable analyser for the measurement of 13 combinations of gases based on a thermal conductivity sensor.**

**The ideal analyser for mobile use and service.**

### Benefits

- flexible due to 13 different -2gas mixtures in one unit
- analysis of -3component-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
- digital display
- easy calibration
- long lifetime of the sensor
- low maintenance, light and robust
- cost effective and proven in practise

#### Type

Multi-Analyser MFA 9000

#### Measuring range

0–100%

H <sub>2</sub> in Ar	H <sub>2</sub> in N <sub>2</sub> or air
He in Ar	He in N <sub>2</sub> or air
CO <sub>2</sub> in Ar (0-60%)	CO <sub>2</sub> in N <sub>2</sub> or air
Ar in CO <sub>2</sub> (40-100%)	Ar in N <sub>2</sub> or air
CH <sub>4</sub> in Ar	CH <sub>4</sub> in N <sub>2</sub> or air
O <sub>2</sub> in Ar	O <sub>2</sub> in N <sub>2</sub>
N <sub>2</sub> in Ar	

#### Gas inlet pressure

calibration by customer  
min. 1.5 bar (dynamic), max. 20 bar (static)

#### Flow rate

40 – 150 NI/h

#### Resolution

0.1%

#### Temperature (gas/environment)

-5 °C up to 50 °C (23 °F up to 122 °F)

#### Accuracy

<1% end of measurement range

#### Gas connections

##### Inlet

Wittfix 6 mm

##### Outlet

Wittfix 6 mm

#### Housing

stainless steel

#### Weight

approx. 10 kg



**Outlet signal**

4 – 20 mA, RS232

**Dimensions (HxWxD)**

approx. 240 x 240 x 230 mm (9.45 x 9.45 x 9.05 inches)  
(without connections)

**Voltage**

100 – 230 V AC

**Power consumption**

230 V AC / 0.145 A

**Approvals**

Company certified according to ISO 9001  
CE-marked according to:  
- EMC 2004/108/EC  
- Low Voltage Directive 2006/95/EC





### Gas control equipment

- Gas mixing systems
- Gas metering systems
- Gas analysers
- Leak detection systems
- Gas pressure vessels
- Engineering of customised systems

### Gas safety equipment

- Flashback arrestors
- Non-return valves
- Quick COUPLINGS
- Safety valves
- Stainless steel devices
- Gas filters
- Pressure regulators
- Lance holders
- Ball valves
- Automatic hose reels
- Test equipment
- Accessories
- Customised safety devices

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