GAS ANALYSER MFA 9000

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.

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
- digital display
- easy calibration
- long lifetime of the sensor
- low maintenance, light and robust
- cost effective and proven in practise

<table>
<thead>
<tr>
<th>Type</th>
<th>Multi-Analyser MFA 9000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring range</td>
<td>0–100%</td>
</tr>
<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 (0-60%)</td>
<td>CO₂ in N₂</td>
</tr>
<tr>
<td>Ar in CO₂ (40-100%)</td>
<td>Ar in O₂</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>N₂ in Ar</td>
</tr>
<tr>
<td>N₂ in H₂</td>
<td>calibration by customer</td>
</tr>
</tbody>
</table>

Gas inlet pressure
- min. 1.5 bar (dynamic), max. 20 bar (static)

Flow rate
- 40 – 150 Nl/h

Resolution
- 0.01%

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 2014/30/EU
  - Low Voltage Directive 2014/35/EU