

**MFA 9000**

**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 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
- easy use through self-explaining functions and settings
- digital display
- easy calibration
- unlimited lifetime of the sensor
- low maintenance, light and robust
- cost effective and proven in practise



Product Information

|                                      |   |   |
|--------------------------------------|---|---|
| <b>Type</b>                          | Multi-Analyser MFA 9000   |   |
| <b>Measuring range</b><br>0–100%     | H <sub>2</sub> in Ar<br>He in Ar<br>CO <sub>2</sub> in Ar (0-60%)<br>Ar in CO <sub>2</sub> (0-40%)<br>CH <sub>4</sub> in Ar<br>O <sub>2</sub> in Ar<br>N <sub>2</sub> in Ar | H <sub>2</sub> in N <sub>2</sub> or air<br>He in N <sub>2</sub> or air<br>CO <sub>2</sub> in N <sub>2</sub> or air<br>Ar in N <sub>2</sub> or air<br>CH <sub>4</sub> in N <sub>2</sub> or air<br>O <sub>2</sub> in N <sub>2</sub> |
| <b>Gas inlet pressure</b>            | calibration by customer<br>min. 1.5 bar (dynamic), max. 20 bar (static)   |   |
| <b>Flow rate</b>                     | 40 NI/h - 150 NI/h  |   |
| <b>Resolution</b>                    | 0.1%  |   |
| <b>Temperature (gas/environment)</b> | -5 °C up to 50 °C (23 °F up to 122 °F)  |   |
| <b>Accuracy</b>                      | <1% end of measurement range  |   |
| <b>Gas connections</b>               |   |   |
| <b>Inlet</b>                         | Wittfix 6 mm  |   |
| <b>Outlet</b>                        | Wittfix 6 mm  |   |
| <b>Housing</b>                       | stainless steel   |   |
| <b>Weight</b>                        | approx. 10 kg   |   |
| <b>Outlet signal</b>                 | 4-20 mA, RS232  |   |
| <b>Dimensions (HxWxD)</b>            | approx. 231 x 240 x 230 mm (9.09 x 9.45 x 9.05 inch)<br>(without connections)   |   |
| <b>Voltage</b>                       | 230 V   |   |
| <b>Power consumption</b>             | 230 V AC / 0.145 A  |   |
| <b>Approvals</b>                     | Company certified according to ISO 9001 and ISO 14001<br>CE-marked according to:<br>- EMC 2004/108/EC<br>- Low Voltage Directive 2006/95/EC                                 |   |

Technical Data

C01/F1 subject to change