MICRO IV
Single gas detector with data-logger and infrared interface

- Bright optical alarm and loud horn (95 dB)
- Recording event data, TWA and STEL values in data logger
- Infrared interface for data transfer to the docking station
- Quick calibration and function test by docking station
- Up to 6 months continuous operation (24 h/day) with one AA-battery
- ATEX approval
- For toxic gases, Oxygen and Hydrogen
- Option: plug-on sampling pump

Worldwide Supplier of Gas Detection Solutions
MICRO IV with docking station for quickest calibration, function test and data transfer to a PC

The MICRO IV is the state of the art derivative of the well known single gas detector MICRO III. Besides its simple operation and reliable warning the flexible device convinces because of its large memory, an IR interface and the revolutionary docking station.

The event memory saves all important data:
- When was alarm triggered? (time)
- Which alarm was triggered? (A1, A2, A3, TWA, STEL value)
- Which gas concentration was present?

The MICRO IV docking station is a trendsetting device management system, which enormously reduces cost of ownership and duration of the calibration.

The docking station checks the acoustic and optical alarm functions, device errors, alarm thresholds and response times of the MICRO IV.

The bump-test comprises:
- Response time t₉₀
- Alarm thresholds
- Alarms (optical and acoustic)
- Device software
- Device and software identification
- Device errors

Up to 6 MICRO IV can be checked for utilizable (bump-test) and be calibrated simultaneously.

Simplest operation
The docking station reduces the daily time involved for calibration and function test (bump test) dramatically. Already few calibrations and function checks annually reduce the cost of ownership considerably.

The uncomplicated and quick operation in connection with the self-describing traffic lights signals prevent from user mistakes.

Red = failure
Yellow = test running
Green = device okay

Due to the compact size the station can be placed almost everywhere without any problems. No further modules or master stations are necessary.

Gases and detection ranges

<table>
<thead>
<tr>
<th>Gas</th>
<th>Gases and detection ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>Carbon Monoxide</td>
</tr>
<tr>
<td>H₂S</td>
<td>Hydrogen Sulphide</td>
</tr>
<tr>
<td>O₂</td>
<td>Oxygen</td>
</tr>
<tr>
<td>C₂H₄O</td>
<td>Ethyline Oxide</td>
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<tr>
<td>ClO₂</td>
<td>Chlorine Dioxide</td>
</tr>
<tr>
<td>O₃</td>
<td>Ozone</td>
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<tr>
<td>H₂</td>
<td>Hydrogen</td>
</tr>
<tr>
<td>NH₃</td>
<td>Ammonia</td>
</tr>
<tr>
<td>NO</td>
<td>Nitrogen Monoxide</td>
</tr>
<tr>
<td>PH₃</td>
<td>Phosphine</td>
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<tr>
<td>SiH₄</td>
<td>Silane</td>
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<tr>
<td>SO₂</td>
<td>Sulphur Dioxide</td>
</tr>
<tr>
<td>THT</td>
<td>Tetrahydrothiophene</td>
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</tbody>
</table>

DIMENSIONS

| Dimensions | 47 x 88 x 25 mm (WxHxD) |
| Weight     | 61 – 85 g               |

MICRO IV – Technical data

Detection principle
Electrochemical

Gas supply
Diffusion / pump (optional)

Temperature range
-20 .. 55°C

Humidity
5 .. 99% r. h. non condensing

Pressure
700 .. 1300 hPa

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Pressure
700 .. 1300 hPa

Dimensions
47 x 88 x 25 mm (WxHxD)

Weight
61 – 85 g

Accessories
plug-on sampling pump, holster, docking station

Due to the compact size the station can be placed almost everywhere without any problems. No further modules or master stations are necessary.

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We reserve the right of modification