INLINE-GAS ANALYSER

An analyser, available for integration with gas mixers or as a stand alone unit, for continuous analysis (in-line) of the gas concentration for a variety of industrial applications.

An analyser to guarantee quality and productivity of production processes.

Together with the exclusive GASCONTROL CENTER-Software the measured results can be documented providing complete traceability. Provide your customer with the results ensuring that your product has the best possible quality.

Benefits
- intuitive operation by coloured touch screen control unit
- different user levels
- high process reliability
- continuous monitoring of limit values
- Ethernet-interface for documentation (QM) on control unit
- low expenses for calibration (admin mode)
- multilingual menu guide: German, English, Spanish, Italian, Polish, French, (more to follow)

Options
- exceeding set limits switching a potential free contact (common alarm)
- Ethernet interface design on back side of gas mixer
- USB interface design on back/front of gas mixer (depending on dimensions of housing)
- remote transmission of settings and measured values
- WITT Web Visio - remote and control of control unit
- full automatic calibration
- integrated measured data logging
- integrated digital printer
- e-mail service (accumulated error transfer)

Other models, options and accessories available on request.

Please identify the individual gases at the time of enquiring!
INLINE-GAS ANALYSER

Measuring system

<table>
<thead>
<tr>
<th>ATEX</th>
<th>Gases</th>
<th>Measuring system</th>
<th>Measuring range</th>
<th>Repeatability relating to full scale</th>
<th>Response time</th>
<th>Service life</th>
</tr>
</thead>
<tbody>
<tr>
<td>O₂</td>
<td>chemical measuring cell</td>
<td>0-100%</td>
<td>± 0.2%</td>
<td>10 sec.</td>
<td>approx. 3 years in air</td>
<td></td>
</tr>
<tr>
<td>O₂</td>
<td>zirconia measuring cell</td>
<td>0-100%</td>
<td>± 0.1%</td>
<td>2 sec.</td>
<td>long lifetime</td>
<td></td>
</tr>
<tr>
<td>O₂</td>
<td>paramagnetic measuring cell</td>
<td>0-100%</td>
<td>± 0.02%</td>
<td>5 sec.</td>
<td>long lifetime</td>
<td></td>
</tr>
<tr>
<td>CO₂</td>
<td>infrared measuring cell</td>
<td>0-30%</td>
<td>± 0.5%</td>
<td>6 sec.</td>
<td>long lifetime</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>CH₄</td>
<td>infrared measuring cell</td>
<td>0-10%</td>
<td>± 0.1%</td>
<td>10 sec.</td>
<td>long lifetime</td>
</tr>
<tr>
<td>X</td>
<td>He</td>
<td>thermal conductivity</td>
<td>0-30%</td>
<td>± 0.5%</td>
<td>20 sec.</td>
<td>long lifetime</td>
</tr>
<tr>
<td>X</td>
<td>H₂</td>
<td>thermal conductivity</td>
<td>0-10%</td>
<td>± 0.5%</td>
<td>30 sec.</td>
<td>long lifetime</td>
</tr>
</tbody>
</table>

Other gases on request

Type
Integrated Analyser with gas mixer or stand alone Analyser

Calibration
Simple two point calibration

Withdrawal
Continuous pressure regulator (factory set)

Temperature
- 5 °C – +40 °C (23 °F – 104 °F)
- 15 °C – +40 °C (5 °F – 104 °F)

Hazardous location ATEX (option)
Zone 1, II 2G IIB+H₂ T3

Gas connections (integrated)
Continuous measurement outlet at mixer
- Connected directly to receiver of gas mixer
- Analysis gas: Swagelok 6 mm for pipe OD 6 mm
- Precision regulator: Swagelok 6 mm for pipe OD 6 mm

Gas connections (stand alone unit)
Continuous measurement outlet
- WITTFIX-Pipe Couplers for pipe OD 6 mm
- Analysis gas: WITTFIX-Pipe Couplers for pipe OD 6 mm
- Precision regulator: Swagelok 6 mm for pipe OD 6 mm

Inlet pressure regulator
Max. 10 barg

Alarm contacts
2 potential free contacts for min. and max. settings (adjustable for each gas)

Interfaces
- RS 232 (internal for printer)
- USB via stick for measure and fault data
- RJ45 Ethernet FTP-Server for measure and fault data, WebVisio, Software Update, analog output 4-20 mA or 0-10 V

Housing
- Integrated: see data sheet according to gas mixer
- Stainless steel, splash proof

Stand alone unit: approx. 1.2 kg in addition to gas mixer

Weight
- Integrated: approx. 20.0 kg

Dimensions (HxWxD)
- Integrated: approx. 280 x 465 x 230 mm (11.0 x 18.3 x 9.0 inch)
- Stand alone unit: approximately 222 x 325 x 455 mm (8.7 x 12.8 x 17.9 inch)

Voltage
230 V AC, 110 V AC

Power consumption
230 V AC, 0.12 A (depends on sensor technology)

Approvals
- Company certified according to ISO 9001
- CE-marked according to:
  - EMC 2014/30/EU
  - Low Voltage Directive 2014/35/EU
  - ATEX 95 Directive 2014/34/EU
- Cleaned for Oxygen Service according to:
  - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems