

GAS ANALYSERS

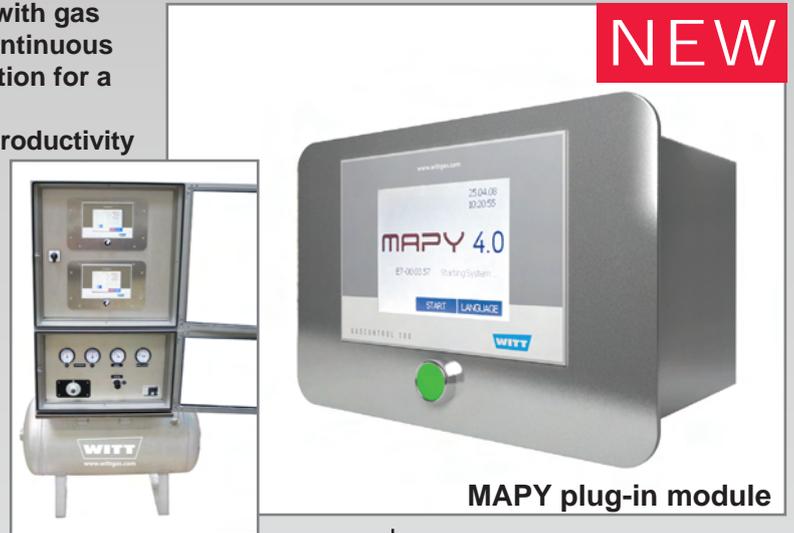
www.wittgas.com

Analyser

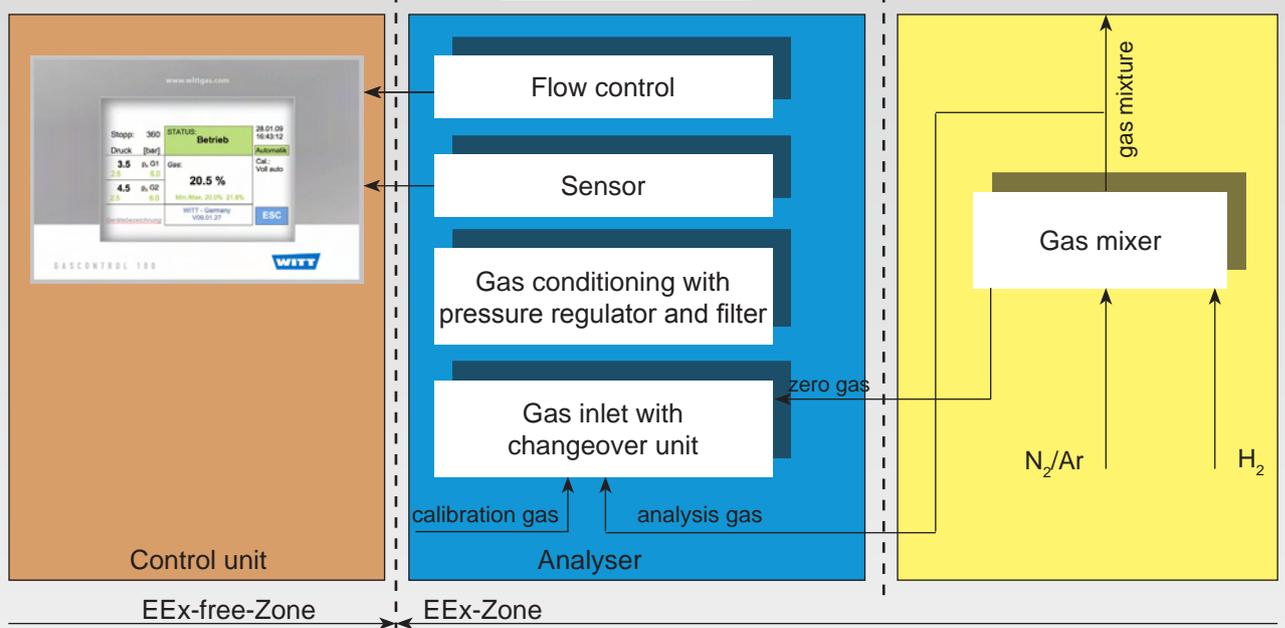
An analyser, available for integration with gas mixers or as a stand alone unit, for continuous analysis (in-line) of the gas concentration for a variety of industrial applications.

An analyser to guarantee quality and productivity of production processes.

Together with the exclusive WITT-GasControl-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.



MAPY plug-in module



Scheme for fuel gases

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!

Product Information

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**Measuring system**

ATEX	Gases	Measuring system	Measuring range	Repeatability relating to full scale	Response time	Service life
	O <sub>2</sub>	chemical measuring cell	0-100%	± 0.2%	10 sec.	approx. 3 years in air
	O <sub>2</sub>	zirconia measuring cell	0-100% *	± 0.1%	2 sec.	no limited
	O <sub>2</sub>	paramagnetic measuring cell	0-100% please indicate	± 0.02%	5 sec.	no limited
	CO <sub>2</sub>	infrared measuring cell	0-30% 0-100% please indicate	± 0.5%	6 sec.	no limited
X	CH <sub>4</sub>	infrared measuring cell	0-10% 0-100% please indicate	± 0.1%	10 sec.	no limited
	He	thermal conductivity	0-30% 0-100% please indicate	± 0.2% ± 0.5%	20 sec.	no limited
X	H <sub>2</sub>	thermal conductivity	0-10 % 0-30 % 0-100 % please indicate	± 0.5%	30 sec.	no limited

other gases on request

\* no recommend for measures between 20% – 22%

<b>Type</b>	integrated Analyser with gas mixer or stand alone Analyser
<b>Calibration</b>	simple two point calibration
<b>Withdrawal continuous</b>	pressure regulator (factory set)
<b>Temperature environment gas</b>	- 5 °C – +40 °C (23 °F – 104 °F) -15 °C – +40 °C ( 5 °F – 104 °F)
<b>Hazardous location ATEX (option)</b>	zone 1 II 2G IIC T3
<b>Gas connections (integrated) continuous measurement outlet at mixer</b>	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
<b>Gas connections (stand alone unit) continuous measurement outlet</b>	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
<b>Inlet pressure regulator</b>	max. 10 barg
<b>Alarm contacts</b>	2 potential free contacts for min. and max. settings (adjustable for each gas)
<b>Interfaces</b>	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
<b>Housing integrated stand alone unit</b>	see data sheet according to gas mixer stainless stell, splash proof
<b>Weight integrated stand alone unit</b>	approx. 1.2 kg in addition to gas mixer approx. 20.0 kg
<b>Dimensions (HxWxD) integrated stand alone unit</b>	see data sheet according to gas mixer approx. 280 x 465 x 230 mm (11.0 x 18.3 x 9.0 inch) (sensor housing without connections) approx. 222 x 325 x 455 mm (8.7 x 12.8 x 17.9 inch) (separate control cabinet without connections)
<b>Voltage</b>	230 V AC, 110 V AC
<b>Power consumption</b>	230 V AC, 0.12 A (depends on sensor technology)
<b>Approvals</b>	Company certified according to ISO 9001:2000 and ISO 14001 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC - ATEX 95 Directive 94/9/EC