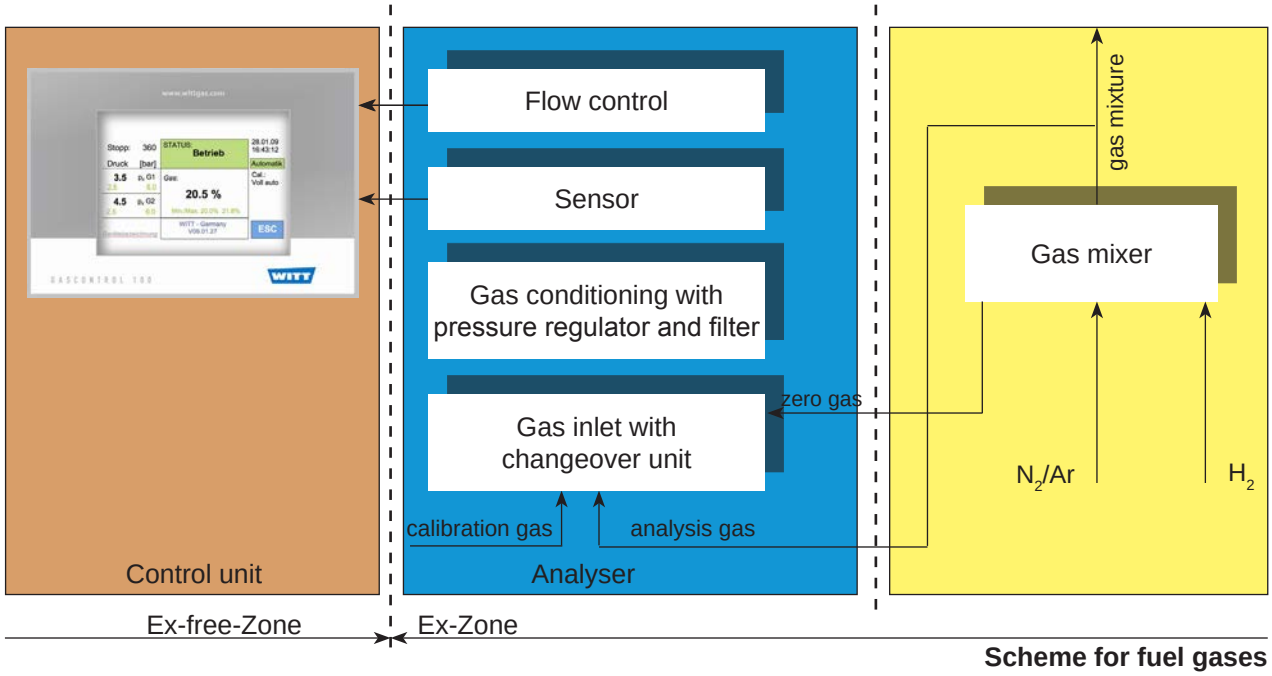
INLINE-GAS ANALYSER

www.wittgas.com

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.

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!

WITT-Gasetechnik GmbH & Co KG, Salinger Feld 4-8, D-58454 Witten, Tel. +49 (0)2302-8901-0, witt@wittgas.com

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Measuring system

ATEX	Gases	Measuring system	Measuring range	Repeatability relating to full scale	Response time	Service life
	O_2	chemical measuring cell	0-100%	± 0.2%	10 sec.	approx. 3 years in air
	O_2	zirconia measuring cell	0-100%	± 0.1%	2 sec.	long lifetime
	O_2	paramagnetic measuring cell	0-100% please indicate	± 0.02%	5 sec.	long lifetime
	CO_2	infrared measuring cell	0-30% 0-100% please indicate	± 0.5%	6 sec.	long lifetime
X	CH_4	infrared measuring cell	0-10% 0-100% please indicate	± 0.1%	10 sec.	long lifetime
	He	thermal conductivity	0-30% 0-100% please indicate	± 0.2% ± 0.5%	20 sec.	long lifetime
X	H_2	thermal conductivity	0-10 % 0-30 % 0-100 % please indicate	± 0.5%	30 sec.	long lifetime

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

Hazardous location ATEX (option) zone 1, II 2G IIB+H_2 T3

Gas connections (integrated)
continuous measurement connected directly to receiver of gas mixer
outlet at 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 WITTFIX-Pipe Couplers for pipe OD 6 mm
outlet
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
stand alone unit stainless stell, splash proof

Weight
integrated approx. 1.2 kg in addition to gas mixer
stand alone unit approx. 20.0 kg

Dimensions (HxWxD)
integrated see data sheet according to gas mixer
stand alone unit 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)

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 2004/108/EC
- Low Voltage Directive 2006/95/EC
- ATEX 95 Directive 94/9/EC

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