

INLINE-GAS ANALYZER



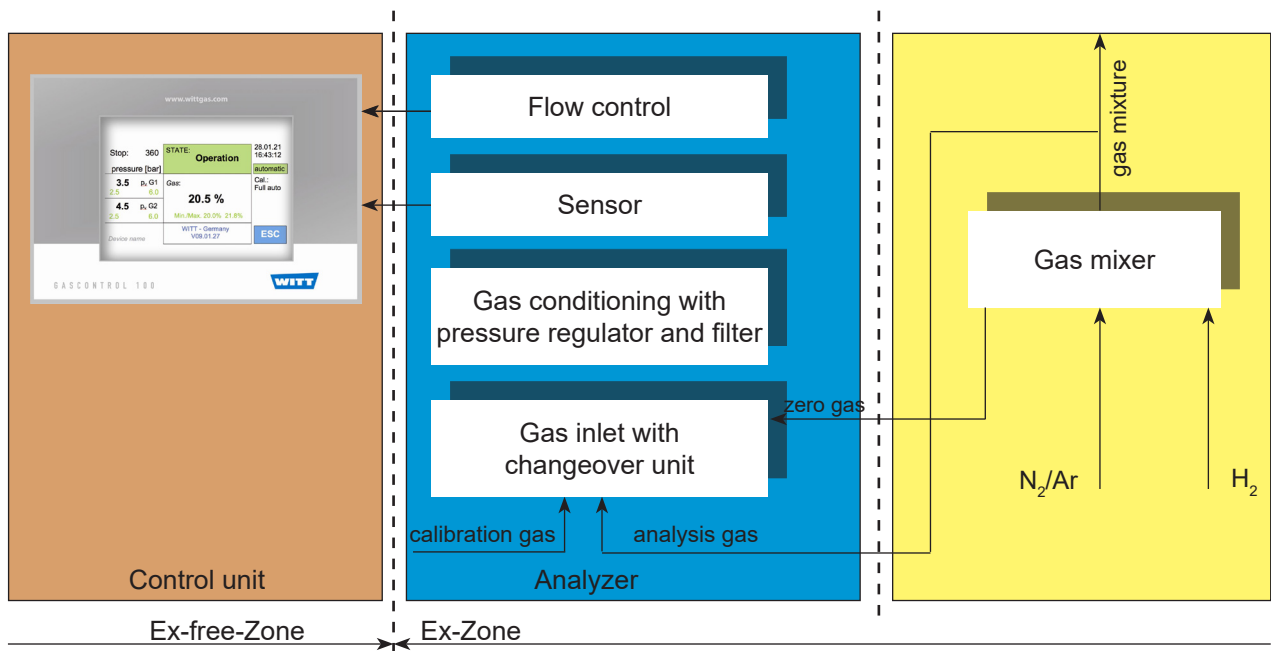
An analyzer, available for integration with gas mixers or as a stand alone unit, for continuous analysis (in-line) of the gas concentration for a variety of industrial applications.

An analyzer 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!

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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 Analyzer with gas mixer or stand alone Analyser
Calibration	simple two point calibration
Withdrawal	pressure regulator (factory set)
continuous	
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)	connected directly to receiver of gas mixer
continuous measurement	analysis gas Swagelok 6 mm for pipe OD 6 mm
outlet at mixer	precision regulator Swagelok 6 mm for pipe OD 6 mm
Gas connections (stand alone unit)	WITTFIX-Pipe Couplers for pipe OD 6 mm
continuous measurement	analysis gas WITTFIX-Pipe Couplers for pipe OD 6 mm
outlet	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	see data sheet according to gas mixer
integrated	stainless stell, splash proof
stand alone unit	
Weight	approx. 1.2 kg in addition to gas mixer
integrated	approx. 20.0 kg
stand alone unit	
Dimensions (HxWxD)	see data sheet according to gas mixer
integrated	approx. 280 x 465 x 230 mm (11.0 x 18.3 x 9.0 inch)
stand alone unit	(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 2014/30/EU - Low Voltage Directive 2014/35/EU - ATEX 95 Directive 2014/34/EU Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Servicestems