

ProCeas®

Industrial gas analyzer

- Available in pressurized enclosure (ATEX, IECEx and cUL)
- Continuous multi-gas measurement
- Reduced operational costs



Features

- Continuous simultaneous measurement
- High resolution IR laser technology
- Patented OFCEAS TDL technology
- No optical moving parts
- Patented Low Pressure Sampling system
- Low gas consumption
- Maintenance: yearly
- Available in pressurized enclosure (ATEX)
- Multiplexing option

Benefits

- Multi-gas measurement without cross-interference
- Self-calibrating system
- Low detection limits
- Zero information contained in the signal (no zero gas required)
- Fast response time
- Reduced operational costs (low gas consumption + low maintenance) increase profitability
- High availability of the system
- No carrier gas needed

Technical data

Multiple applications possible								
Pure gas matrix	N ₂ or Ar or He	O ₂	H ₂	Air	CO	CO ₂	N ₂ O	CH ₄
Trace gas								
H ₂ (ppm)	3	3	N/A	3	3	1000	x	1000
O ₂ (ppm)	0.1	N/A	0.1	N/A	0.1	0.1	0.1	0.1
H ₂ O (ppb)	20	20	20	20	20	20	20	50
H ₂ S (ppb)	1	1	1	1	10	10	10	30
NH ₃ (ppb)	0.1	0.1	0.1	0.1	0.1	3	50	50
CO (ppm)	0.001	0.001	0.001	0.001	N/A	0.001	< 5	< 5
CO ₂ (ppm)	0.01	0.01	0.01	0.01	0.01	N/A	1000	< 0.2
HCl (ppb)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	100
HF (ppb)	0.1	0.1	0.1	0.1	0.1	1	0.1	x
NO (ppb)	100	100	100	100	100	100	100	x
NO ₂ (ppb)	30	30	30	30	30	60	x	60
N ₂ O (ppb)	2	2	2	2	2	2	N/A	x
CH ₄ (ppb)	1	1	1	1	1	1	x	N/A
HCHO (ppb)	1	1	1	1	1	10	1	x

* Non-exhaustive lists/configuration + measures adaptable on request

Analyzer	
Power supply	110 ... 230 VAC, 50 ... 60 Hz, 150 W max 80 W average
Compressed air supply	Class 1.2.1 (ISO 8573-1), 3 barg at max 5.5 l/min
Ambient conditions	+5 ... +40 °C (temperature), 10 ... 90% (RH), non-condensing
Degree of protection	Up to IP65, according to IEC 60529
Probe connections	(OD 6 mm) or imperial (1/4")
ATEX version	Available on request

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