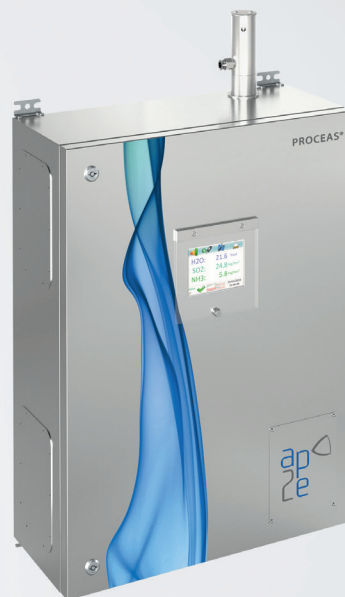


ProCeas®

Process gas analyzer

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



Features

- Continuous multi-gas 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, IECEx, cUL)

Benefits

- Multi-gas measurement without cross-interference
- Self-calibrating system
- Large range of full scales (from % to ppb)
- Multi-application technology
- Zero information contained in the signal (no zero gas required)
- Fast response time
- Reduced operational costs (low gas consumption + low maintenance)
- High availability of the system

Technical data

Application*	Gas measured*/range	LoD*
Chlorine production	H ₂ /0 ... 5% O ₂ /0 ... 1% CO ₂ /0 ... 5% H ₂ O/0 ... 1 000 ppm	H ₂ : 3 ppm O ₂ : 1 ppm CO ₂ : 1 ppm H ₂ O: 0.01 ppm
Analysis in hydrocarbons (e. g. coke gas, pulp + paper, pure ethylene...)	H ₂ S/on request NH ₃ /on request H ₂ O/on request C ₂ H ₂ /on request	H ₂ S <0.05 ppm NH ₃ <0.05 ppm H ₂ O <0.05 ppm C ₂ H ₂ <0.05 ppm
Steam methane reforming	H ₂ S/0 ... 50 ppm	H ₂ S <0.01 ppm
DeNO _x	NH ₃ /0 ... 100 ppm	NH ₃ : 0.05 ppm
Biogas	CH ₄ /0 ... 100% CO ₂ /0 ... 100% O ₂ /0 ... 25% C ₂ H ₆ /0 ... 10% H ₂ O/0 ... 10% H ₂ S/0 ... 10% NH ₃ /0 ... 1 000 ppm	CH ₄ <0.1% CO ₂ <0.05% O ₂ <0.05% C ₂ H ₆ <0.1% H ₂ O <5 ppm H ₂ S: 0.05 ppm NH ₃ : 0.05 ppm
VCM production	HCl/0 ... 100 ppm	HCl: 0.05 ppm

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

* LoD: 3σ over a period of 60 s, σ: standard deviation

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")
EX versions	Available on request

AP2E

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