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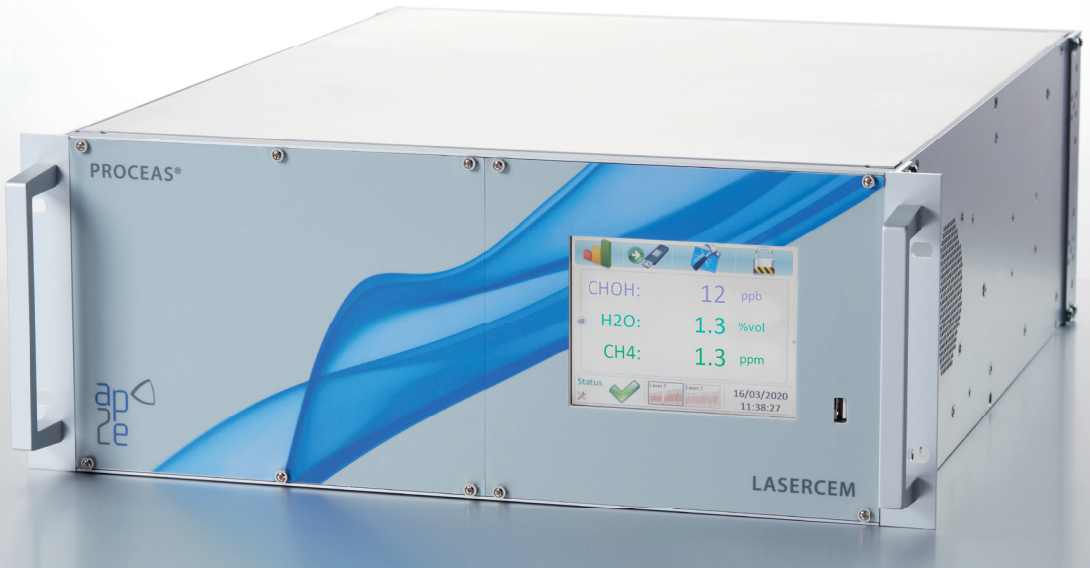
ProCeas® Air

Formaldehyde, OFCEAS laser analyzer

- Sensitivity down to ppb
- Continuous measurement
- Fast response time



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Features

- Continuous measurement
- Multi components
- High resolution laser technology
- Patented OFCEAS IR laser technology
- No optical moving parts
- Patented Low Pressure Sampling system
- No compressed air consumption
- Up to 16 lines for multiplexed measurement (option)
- Maintenance: yearly

Benefits

- Measurement without interference regardless of the matrix
- High sensitivity
- Self-calibrating system (no span gases required)
- Very fast response time
- Ultra-precise measurement
- Negligible drift
- High availability of the system
- No water condensation from sampling point to analyzer due to low pressure sampling

Technical data

Analyzer	
Technique	OFCEAS
Power supply	110 … 230 VAC, 50 … 60 Hz
Power consumption	150 VA
Dimensions	Rack 19", 4U
Weight	20 kg
Data outputs	Ethernet, ModBus (TCP/IP, RS), analog, USB
Fittings	1/4" Swagelok
Accessories	Internal pump
Sample conditions	–10 … 45 °C (temperature) <99 % RH non-condensing Atm +/–100 mbar (pressure) >0.4 slm (flow) 16 lines for multiplexed measurement (option)
Ambient conditions	5 … 40 °C (temperature) <99 % RH non-condensing

Performance specifications (CHOH in ambient air)	
Lower detection limit (3σ, 60 s)	1 ppb
Zero drift (72 h)	±0.20 ppb
Precision (1σ)	1.5 ppb + 0.1 % of reading (1 s) 0.5 ppb + 0.1 % of reading (10 s) 0.15 ppb + 0.1 % of reading (300 s)
Measurement interval	1 s
Response time/ fall time (10 … 90 %)	<60 s
Measurement range	0 … 10 ppm
Additional gases (options)	CH_4 (0 … 50 ppm) H_2O (0 … 5% vol)

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