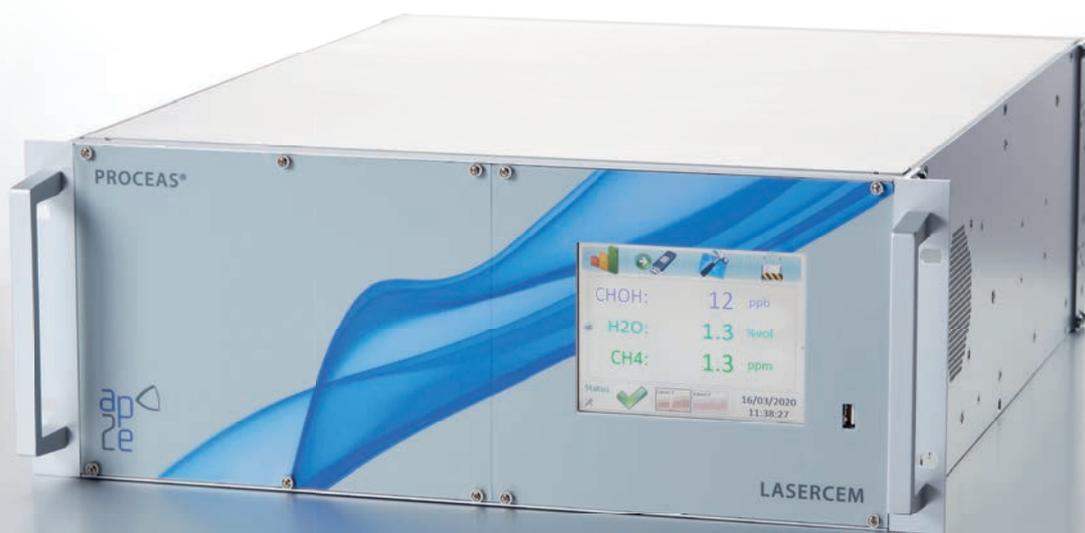


ProCeaS[®] Air

Formaldehyde, OFCEAS laser analyzer

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



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 (3 σ , 60 s)	1 ppb
Zero drift (72 h)	\pm 0.20 ppb
Precision (1 σ)	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 ₂ O (0 ... 5% vol)