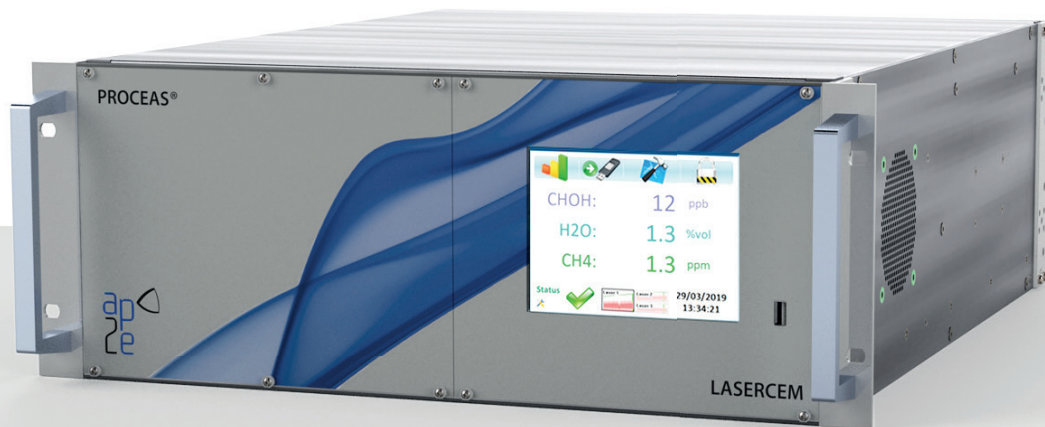


# ProCeaS<sup>®</sup> Air

Formaldehyde, OFCEAS Laser Analyzer



## Features

- Continuous measurement
- Multi components
- High resolution laser technology
- Patented OFCEAS IR laser technology
- No optical moving parts
- Patented low pressure sampling system
- No instrument air consumption
- Up to 16 lines for multiplexed measurement (option)
- Maintenance: yearly

## Benefits

- Measurement without interferences 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 analyser 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

Performances specifications (CHOH in Ambient Air)	
Lower detection limit (3 $\sigma$ , 60 sec)	1 ppb
Zero drift (72 hrs)	$\pm 0.20$ ppb
Precision (1 $\sigma$ )	1.5 ppb + 0.1% of reading (1 sec) 0.5 ppb + 0.1% of reading (10 sec) 0.15 ppb + 0.1% of reading (300 sec)
Measurement interval	1 sec
Response time/fall time (10–90%)	<60 sec
Measurement range	0 ... 10 ppm
Additional gases (options)	CH <sub>4</sub> (0 ... 50 ppm) H <sub>2</sub> O (0 ... 5%vol)