

ProCeaS[®] Air

HF, OFCEAS laser analyzer

- High sensitivity
- Continuous measurement
- Fast response time



Features

- Continuous measurement
- Multi components
- High resolution laser technology
- Patented OFCEAS IR laser technology
- No optical moving parts
- No compressed air consumption
- Maintenance: yearly

Benefits

- Measurement without interference regardless of the matrix
- High sensitivity
- Self-calibrating system (no span gases required)
- Ultra-precise measurement
- Negligible drift
- High availability of the system

Technical data

Analyzer	
Technique	OFCEAS
Power supply	110 ... 230 VAC, 50 ... 60 Hz
Power consumption	150 W (max), 80 W (average)
Dimensions	Rack 19", 4U
Weight	20 kg
Data outputs	Ethernet, ModBus (TCP/IP, RS), analog, USB
Fittings	1/4" or OD6
Accessories	Internal pump
Sample conditions	-40 ... 50 °C (temperature) <99% RH non-condensing Atm +/-100 mbar (pressure) 0.2 slm (flow)
Ambient conditions	10 ... 40 °C (temperature) <99% RH non-condensing

Performance specifications (HF in ambient air)	
Lower detection limit (3 σ , 60 s)	<0.05 ppb
Zero drift (72 h)	\pm 0.20 ppb
Measurement interval	1 s
Response time/fall time (10 ... 90%)	<90 s
Measurement range	0 ... 1000 ppb
Additional gases (options)	O ₂ (0 ... 21% vol) H ₂ O (0 ... 5% vol)