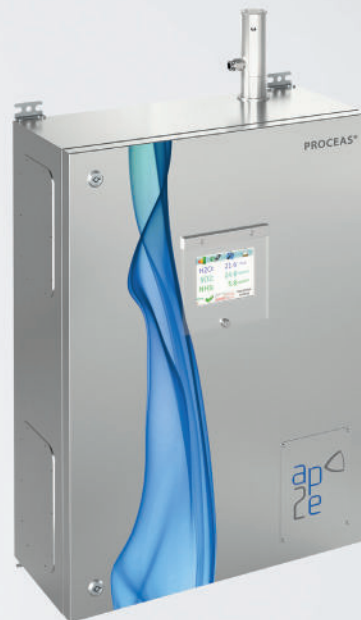


ProCeas®

H₂ Purity analyzer

- Measurement compliant with ISO 14687 + EN 17124
- Continuous multigas measurement
- Available in pressurized enclosure (ATEX, IECEx, cUL)



Features

- Continuous multigas measurement
- High resolution IR laser technology
- Patented OFCEAS TDL technology
- No optical moving parts
- Patented Low Pressure Sampling System
- Low sample gas consumption (<2.4 to 20 slh)
- Maintenance: yearly
- Available in pressurized enclosure (ATEX, IECEx, cUL)

Benefits

- Measurement compliant with ISO 14687 + EN 17124
- Multigas measurement without cross-interferences
- Recommended method for pure Hydrogen production
- Measurement available also in other matrix stream (Ar, N2, He)
- Zero information contained in the signal (no zero gas required)
- On-line or gas cylinders analysis
- No carrier gas needed

Technical data

Gas	Range* (ppm)	LoD* (ppm)	EN 17124 limits (ppm)	ISO 14687 limits (ppm)
H ₂ O	0 ... 100	0.02	5	5
CH ₄	0 ... 200	0.001	100	2
O ₂	0 ... 100	0.1	5	5
CO ₂	0 ... 50	0.01	2	2
CO	0 ... 10	0.001	0.2	0.2
H ₂ S	0 ... 10	0.001	0.004	0.004
HCHO	0 ... 50	0.001	0.2	0.01
HCOOH	0 ... 50	0.01	0.2	0.2
NH ₃	0 ... 10	0.001	0.1	0.1
HCl	0 ... 5	0.00005	0.05	0.05
COS	0 ... 10	0.001	0.004	0.004
Linearity: <1% range, R ² >0.999 Repeatability: 3*LoD or +/-0,5% relative Response time: <30 s (all gases) except NH ₃ , HCl (<100s) Drift Zero/Span: Negligible				

* LoD: 3σ over a period of 60 sec, σ: Standard deviation
* Range: Can be adapted upon request

Analyzer	
Power supply	110 ... 230 VAC, 50 ... 60 Hz, 150W max. 80 W average
Ambient conditions	+10 ... +35 °C (temperature) 10 ... 90% RH, non-condensing
IP protection class	Up to IP65, according to IEC 60529
Probe connections	Metric or Imperial
Ex versions	Available under request

AP2E

Parc de la Duranne – Les Méridiens | Bât. A – 240 rue Louis de Broglie – CS. 90537 | 13593 Aix-en-Provence Cedex 3
Phone +33 4 42 61 29 40 | info@ap2e.com | www.ap2e.com