



Impurity in H2

Trace measurement of CO, H2S, CH4, H2O

Quality of Hydrogen Fuel is important for the lifetime of hydrogen fuelcells, engines and turbines.

ISO 14687 specifies the quality characteristics of hydrogen fuel in order to ensure uniformity of hydrogen product for utilization in stationary fuel cell power systems.

OFCEAS scanning spectroscopy technique used by the Proceas laser analyser is the most viable method of providing extremely low level on impurity detection in H2 in very short times.

Together with our partner AP2E, IMAC designed and delivered the most advanced system available in the market.

With PROCEAS Laser technology we have met the following performance:



Component	LoD	Range	Units	Response time
CO	0.002	0 to 50	ppm(v)	< 10 s
H2O	0.01	0 to 500	ppm(v)	< 10 s
NH3	0.002	0 to 10	ppm(v)	< 10 s
H2S	0.002	0 to 10	ppm(v)	< 10 s
CH4	0.01	0 to 200	ppm(v)	< 10 s

