

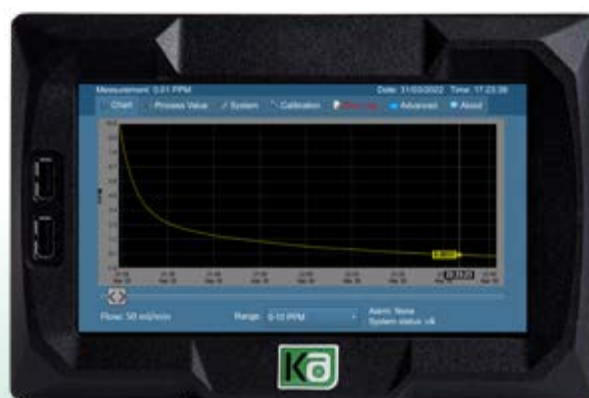
Sense series continuous gas analyzers

The Most Stable And Compact Solution

The Sense series continuous gas analyzers (CGA) are based on our well proven Sense platform. Designed to meet our customers' current and future need, it offers the latest advanced features. With its powerful software, high-end industrial touchscreen display and electronics, it offers the best performance on the market. And if this was not enough, it has been designed to be compact to minimize space usage in the analytical rack.

Series Features

- Electronics and compensated flow control
- Intuitive user interface with industrial touchscreen display
- Onboard memory, 1 month of data history
- Standard 4-20 mA output, RS-232/485, Modbus (optional)
- Ultra-compact, 2 analyzers can be fitted side by side for space saving in the analytical rack
- IIoT – Remote monitoring and support



ASDevices
world's first
process-oriented
fuel-cell hydrogen
purity analysis
solution

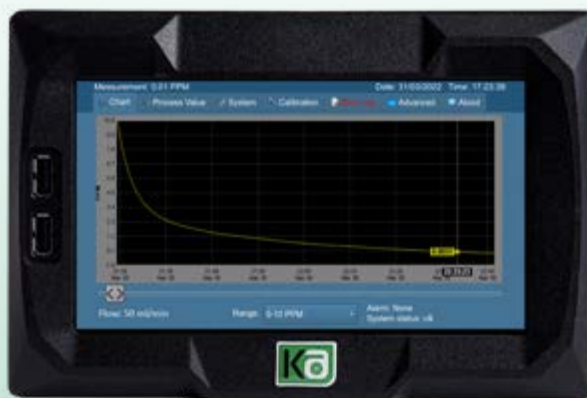


N₂Sense – Trace N₂ analyzer

Simply the best Online N₂ analyzer. The new industry benchmark.

N₂ in Argon/Helium analyzer

Based on our enhanced plasma discharge (Epd) sensing technology and a proprietary spectral compensation algorithm, the N₂Sense offers the best performance in the smallest package.



Features

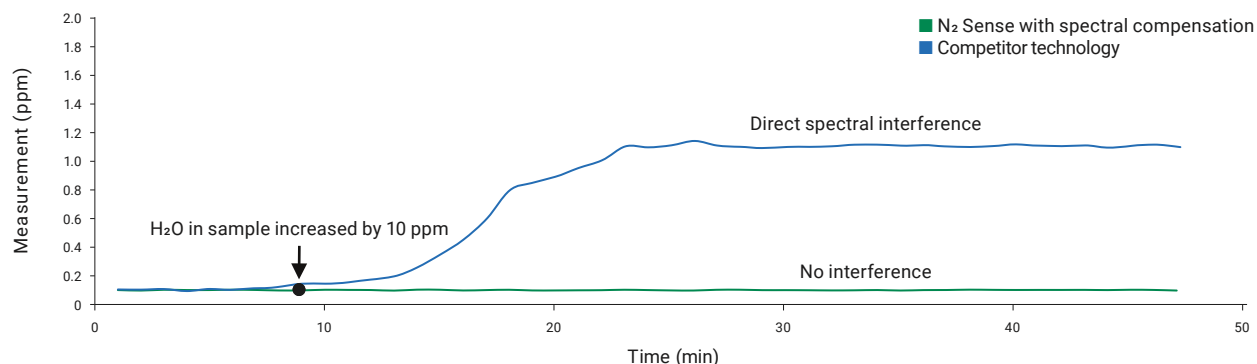
- < 1 ppb LOD: 10x lower detection limit than competitors' instruments
- 0 - 1/10/100 ppm standard range (up to 1% available)
- Argon, helium or dual background
- Ultra-stable reading
- Proprietary leak-free flow controller design
- Interference free: based on spectral compensation technology

Applications

- Separation plants
- Chemical plants
- Argon purification plants
- Helium liquefaction plants
- Process control
- Steel industries
- Semiconductor plants
- Gas management systems
- Specialty gas laboratories
- Leak testing
- Welding control
- Glove box
- Cryogenic truck loading stations

Spectral compensation

With traditional plasma emission technologies, flow and ambient pressure variations cause measurement errors due to a change in plasma power distribution. Our proprietary embedded algorithm overcomes this by continuously adjusting the power distribution, compensating for the bremsstrahlung (plasma-based emission) fluctuation. The result is the cancellation of flow and pressure effects on the plasma baseline emission. Spectral compensation is the latest breakthrough to eliminate H₂O interference. It surpasses the H₂O doping method introduced in the K2001 by M. Gamache in the 1995.



HCSense

Trace hydrocarbon analyzer

Based on our eFID sensing technology and high-end eSense electrometers, the HCSense offers the best performance in the smallest package.



Features

- Based on our high sensitivity eFID detector
- < 10 ppb LOD
- Ultra-stable reading with eSense electrometer amplifier
- All flow electronically controlled with our purged EPC and flow controller

Applications

- THC in liquid oxygen
- THC in argon, helium, nitrogen, hydrogen
- THC in CO₂

O₂Sense

Oxygen analyzer

Based on a high-quality electrochemical cell, the O₂Sense offers the best performance in the smallest package.



Features

- Based on galvanic electrochemical fuel cell
- Trace or percent versions
 - 0-1/10/100 ppm range (up to 1000 ppm available)
 - 0-100% range
 - ppt sensitivity version coming soon
- Sensor life between 20 and 24 months
- All flow electronically controlled with our purge flow controller

Applications

- Trace oxygen quality control
- Percentage oxygen measurement