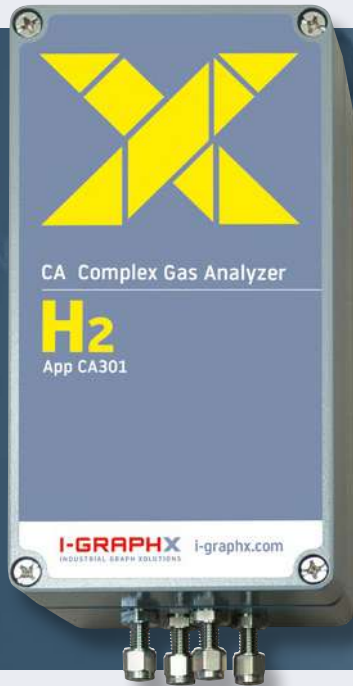
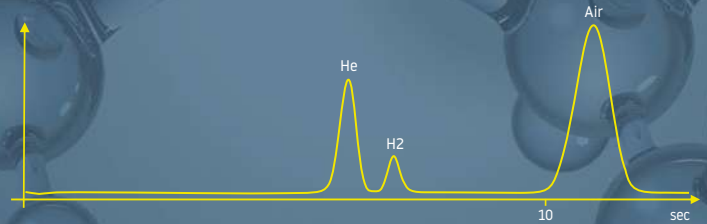


Gas Analyzer



I-GRAPHX CA COMPLEX GAS ANALYZER



More Products: Micro gas chromatography | H2 analyzers | Micro dosing | Electronic pressure control units | Accessories

Hydrogen measurement very precise and selective.

The **CA Complex Analyzer** will measure Hydrogen (H₂) qualitative and quantitative in all possible gas mixtures in a very fast and very precise way.

On the way to no longer used gases that are harmful to the climate, Hydrogen (H₂) will be the most important energy provider. The correct amount of hydrogen (H₂) will be very important to the using industry and will also be necessary to ensure the transport of the gas in new gas distributor networks. The **I-GRAPHX CA** can be used for all tasks to detect and measure Hydrogen (H₂) in any possible gas mixture. The gas separation technic (chromatography) will ensure that there will be no irritations by other components.

The dual channel thermally conductive detector is an in-house development of I-GRAPHX GmbH. The detector is built in microchip technology (MEMS) and used the specific heat conduction of the different gases. This construction enables a fast and continuous measurement of Hydrogen (H₂).

This special design enables the unit to react very fast. While the sensor is glass passivated, it is protected against aggressive gases and can be used in harsh environment during long time.

The thermal conductivity detector is very reliable, with no movable parts and will withstand vibration.

Properties:

- Accurate and long-term stable analysis
- Monitoring of continuous processes
- Very fast H₂ detection
- low operating costs, minimal maintenance

Technical data:

- 2 point or multipoint calibration
- Electronic pressure regulation
- Measurement range: 10 ppm to 100%
- Measurement results: Vol % resolution 1 ppm
- Power supply: 24 VDC, 0.5 A
- Ambient temperature: -5 °C to +50°C
- Accuracy: < 0.1% v.M

Connections:

- Media: 1/16" or 1/8" Swagelok tube fitting (others on request)
- RS232 (others on request)
- Monitoring: via web server, optional display
- Analog OUT: 4-20mA (optional)

Unit size:

- W x H x D: 220 x 120 x 80 mm
- Weight: ca. 2.2 kg



We reserve the right to make changes to technical data, dimensions, weights, construction and products. The illustrations are non-binding and show any special equipment.