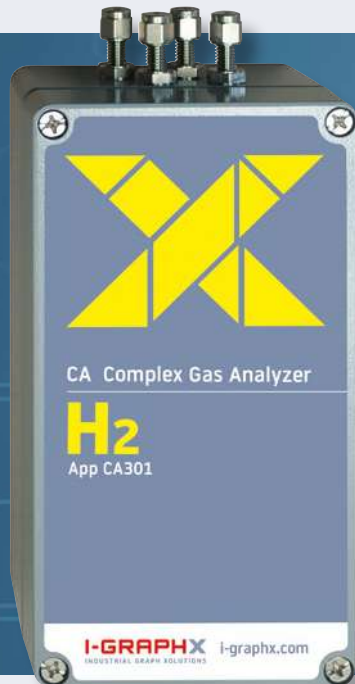
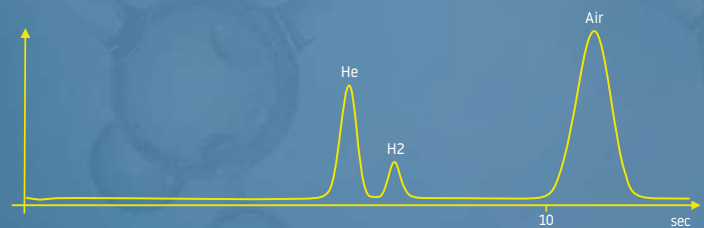


Gas Analyzer



**ATEX solution
available**

I-GRAPHX CA COMPLEX GAS ANALYZER



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

Gas measurement (f.e. H₂, N₂ and CO₂) very precise and selective

The **CA Complex Analyzer** can measure the amount of a gas, e.g. hydrogen (H₂) in any mixture of gases. It is fast and very accurate.

On the way to CO₂ neutrality, Hydrogen (H₂) will be the most important energy source in the future. The right quality of hydrogen (e.g. 5.0) will be very important for industry and H₂ mobility.

The **I-GRAPHX CA** can be used to detect and measure Hydrogen (or another gas component) in any type of gas mixture. The chromatography gas separation technique makes sure that there are no irritants from other components.

The dual-channel thermal conductive detector is an in-house development of I-GRAPHX GmbH. The detector is constructed utilising microchip technology (MEMS) and uses the specific heat conduction of different gases. This construction enables a fast and continuous measurement.

This special design makes the unit react very quickly. The sensor is glass passivated, which means it is protected against aggressive gases and can be used in harsh environments for a long time. The thermal conductivity detector is highly reliable, with no moving parts and is insensitive to vibrations.

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

Connections:

- Media: tube fitting (others on request)
- Connections: USB (internal), RS485 (Modbus RTU, GC Manager)
- Monitoring: via web server through optional HMI
- Analog OUT: 4-20 mA (1 channel)

Unit size:

- W x H x D: 220 x 120 x 90 mm
- Weight: ca. 2.5 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.