

875 KF Gas Analyzer



Coulometric water determination in liquid and permanent gases

Safe and reliable

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The 875 KF Gas Analyzer is the robust solution for water determination in gases by automated coulometric Karl Fischer titration. The system can analyze liquid gases as well as permanent gases. Coulometric Karl Fischer titration is particularly suitable for determining trace amounts of water.

The 875 KF Gas Analyzer excels by its robust design and is ideal for routine analysis in the laboratory. It is controlled by Metrohm's control and database software **tiamo™**. The system consists of a control unit and an analysis module. The analysis module is equipped with a mounting board for the gas handling system and the water analysis cell as well as an integral coulometer that performs all the necessary analysis steps fully automatically.



Highlights

- Complete system with durable components for high flexibility and pressures up to 40 bar
- Separation of the gas handling system from the electronics and power supply
- Sample inlet filter to keep out particulate matter
- Venting bypass to release the pressure when swapping gases
- Built-in evaporator for liquid gases
- Oil filter incl. flushing port to remove residual oil
- Precise gas measurement with a mass flow controller (MFC)
- Automated analysis sequence using magnetic valves
- Predefined analytical methods with gas feed and pre- and post-flushing phase
- All components apart from the TFT monitor are integrated into one housing

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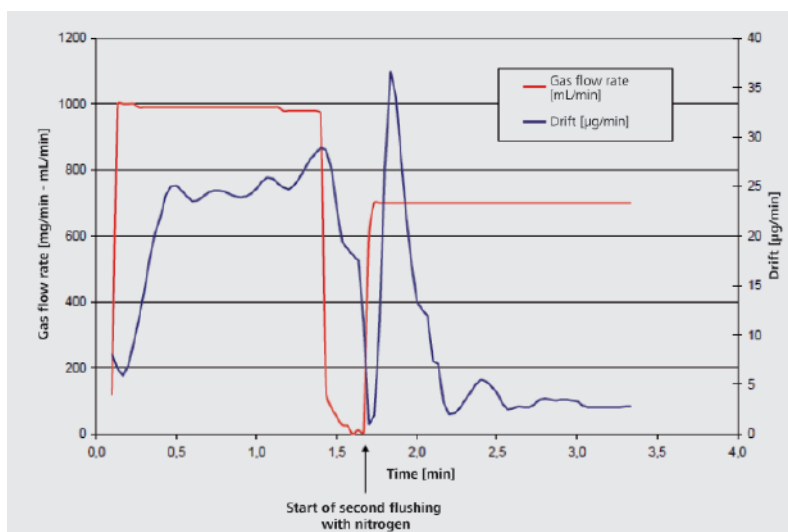
Example applications

Analysis of a wide range of liquid gases

- propane, propene, LPG, butane, butene, butadiene
- dimethyl ether
- chlorinated hydrocarbons: methyl chloride, ethyl chloride, vinyl chloride
- refrigerants: various CFC, HFC, CFC

New and contaminated refrigerants containing refrigeration oils

Analysis of permanent gases, e.g. natural gas



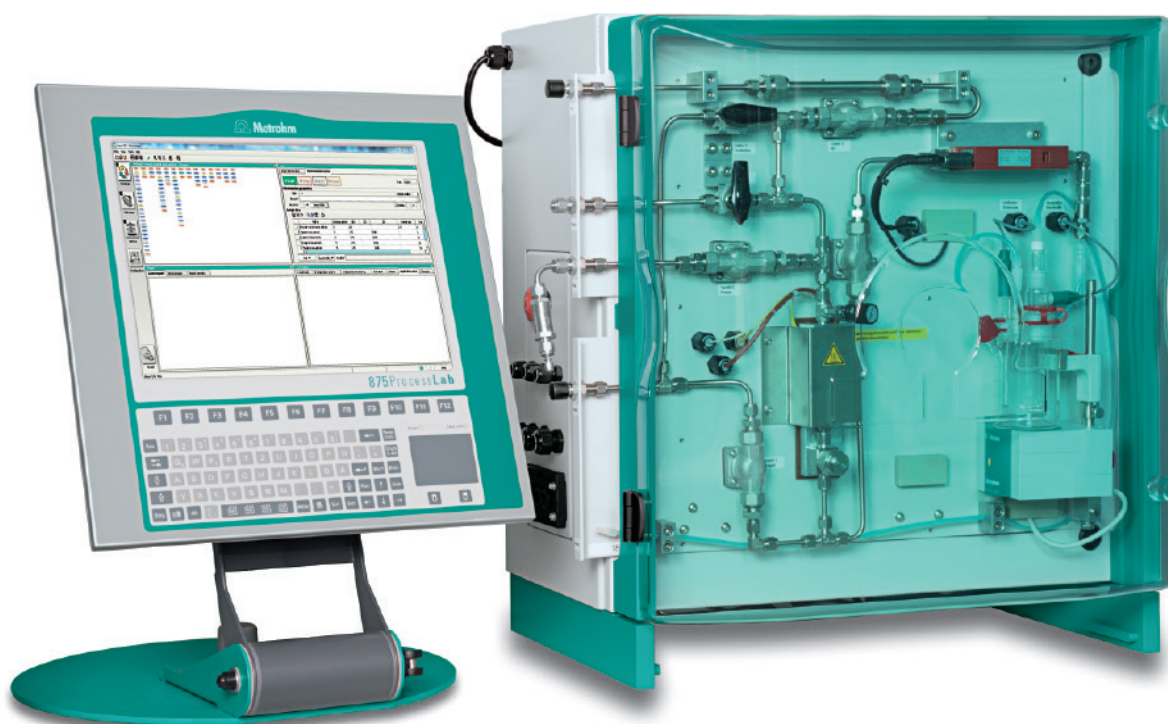
Typical gas flow rate and drift curves during water content determination in a liquid gas
gas: propene

Ordering information

- 2.875.9020 875 KF Gas Analyzer with TFT monitor (incl. **tiamo™**)
2.875.9050 875 KF Gas Analyzer without TFT monitor (incl. **tiamo™**; monitor and keyboard are required)

Optional accessories

- 6.7209.000 Accessories for reagent exchange and methanol addition
6.7209.010 Accessories for rinsing with solvent



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