

MKS 2030

FTIR Multigas Analyzer

The MKS 2030 FTIR analyzer can measure a multitude of compounds. Its sensitivity varies from ppm to % depending on the compound and the application. It is equipped with the patented FTIR 2102 spectrometer with a high resolution optical bench. The software integrates different applications and has a library of spectra per compound for the quantification of molecules. It can perform analyzes in gas streams containing up to 30% water and can simultaneously analyze and display more than 30 gaseous compounds.

The MKS 2030 is available in two versions: cooled by liquid nitrogen or cooled by Peltier depending on the precision and desired compounds.

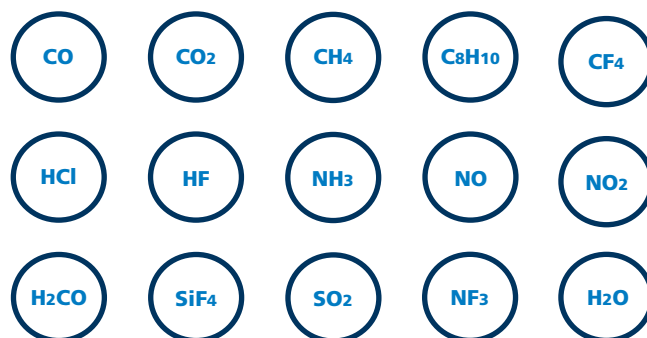
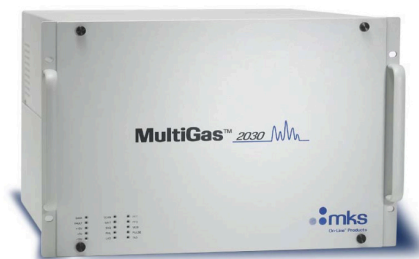
MKS 2030 comes with:

- Heated cell of 5 meters
- Pressure and temperature controller
- Laptop with MKS quantization
- Software
- Teflon tubes for N2 purge
- 4L Dewar to use with your liquid N2 tank
- User Manual
- Filtered probe, heated line, pump and/or liquid nitrogen on request

- ✓ **Rental from one day**
- ✓ **Technical assistance included**

TECHNICAL SPECIFICATIONS

TECHNOLOGY	FTIR Spectrometry
MEASURING RANGE	Full scale setting < 100 ppm at 100% concentration
DETECTOR	LN2 21um 0.25mm cooled detector, TE 7um 0.25mm cooled also available
T90 TIME	From 0.2 sec to 5 min
PRESSURE	0.1 - 1.3 Atm (0-1000 Torr)
N2 PURGE	20psig (1,5 bar) max, 0,1 L/min
GAS CELL	Nickel coated aluminum
CELL T°	Ambient up to 191° C
CELL MIRRORS	Nickel-plated aluminum substrate with robust gold coating
CELL WINDOWS	KBr or ZnSe
POWER	120 or 240 VAC, 50/60 Hz, 3 amps
DIMENSIONS	44,5 x 32 x 65 cm
WEIGHT	50 kg



FTIR spectrometry

KEY POINTS

- High sensitivity to toxic gases (VOCs, acids, bases, hybrids and PFCs): gaseous effluent stream containing up to 30% water
- Very easy to use
- Simultaneous analysis and display of more than 30 gases
- Automatic temperature and pressure compensa-

APPLICATIONS

- Air emissions measurements
- Analysis, development and optimization of industrial processes
- Ambient air analysis
- Gas Purity Analysis
- Combustion emissions monitoring
- Selective Catalytic Reduction (SCR) performance monitoring

For more information

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