

MKS MultiGas 2030 FTIR



RENTAL AND APPLICATION NOTES:

- Shipping Weight: 180 lbs.
- Designed to meet EPA Method 318, 320, 321 and various VOC and inorganic gas sampling including Formaldehyde, Ammonia and HCl.
- Nitrogen and Ethylene calibration gases are needed.
- Liquid Nitrogen is needed for most applications.
- Instrument rental of the MKS FTIR includes a laptop to run the MKS software.
- Rental is accompanied with an operator unless otherwise arranged through CleanAir Instrument Rental.

SPECIFICATIONS:

- Dimensions: 17.5"W x 12.5"H x 25.5"D
(19" rack-mountable support brackets available)
- Weight: 110 lbs.
- Power 120 or 240VAC, 50/60 Hz, 3amps.
- Measurement Technique: FTIR Spectrometry.
- 21 μ m 0.25mm LN₂ cooled detector, 7 μ m 0.25mm TE cooled also available.
- Reads most molecules except diatomics (N₂, H₂, O₂).
- Ranges: Full scale setting < 100ppb to 100% concentration.
- Averaging Time: 0.2 sec to 5 min.
- Spectral Range: 2 μ m - 20 μ m (500 - 5,000cm⁻¹).
- Temperature and pressure measured internally.
- Sample Flow: 0.2 - 10 L/min.
- Sample 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 Temperature: Ambient to 191° C.
- Cell Mirrors: Nickel plated Aluminum Substrate with rugged gold coating.
- Cell Windows: KBr or ZnSe.