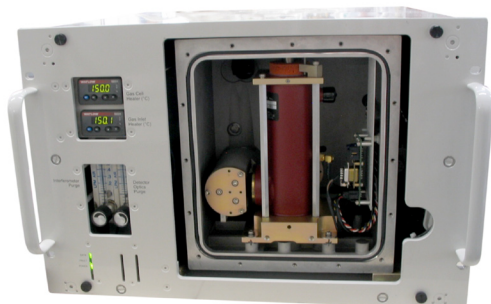




## MultiGas™ 2030 FTIR



### The 2030 includes:

- 5 meter heated cell
- Pressure and temperature controller
- Laptop computer w/ MKS Quantification Software
- PCMCIA card
- Power Cord
- Teflon Tubing for N2 Purge
- 4L Dewar for use w/your liquid N2 tank
- Manual

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### Specifications:

- Measurement Technique: FTIR Spectrometry
- Detector Type: 21 um 0.25 mm LN2
- Gas Cell: Nickel/Gold coated Al
- Ranges: Full scale setting 10ppb & 100% full scale
- FTIR: 2102 Process FTIR
- Operating Temperature: 70 - 85°F (optimal); 50 - 90°F (acceptable)
- Temperature Variation: +/-5°F (optimal); +/-10°F (acceptable)
- Spectral Resolution: 0.5 – 128cm-1
- Scan Speed: 2 scans/sec @ 0.5 cm-1
- Scan Time: 1-300 sec
- Infrared Source: Silicon Carbide @ 1200°C
- Reference Laser: Helium Neon (15798.2 cm-1)
- Purge Pressure: 20 psig (1.5 bar) max
- Spectrometer/Optics Purge Flow: 0.2 lpm of dry nitrogen or CO2 free clean dry air with dewpoints below -70°C
- Pressure Transducer: MKS Baratron®
- Computer Requirements: Minimum: Intel Pentium, 200 MHz, Microsoft Windows 95, 64 MB
- Communications: National Instruments GPIB
- Installation: 19" rack mount
- Power: 120 or 240 VAC, 50/60 Hz, 3 amps
- Weight: 110 lbs
- Sample Temperature: Ambient to 150°C (calibration temperature dependant)
- Sample Flow: 0.2 – 10 lpm
- Sample Pressure: 0.01 – 4 atm (calibration pressure dependant)
- Cell Mirrors: Nickel plated aluminum substrate, with rugged gold coating
- Cell Windows: KBr or ZnSe

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### Rental/Application Notes:

- Designed for EPA Method 318, 320, 321 and various VOC and inorganic gas sampling including Formaldehyde, Ammonia and HCl.
- Can handle gas streams with up to 30% moisture.
- A CTS (certified transfer standard) calibration gas is needed (ethylene) for calibration.
- Instrument rental of the MKS FTIR is accompanied with an operator unless otherwise arranged through CleanAir Instrument Rental.
- A dewar of liquid nitrogen is needed for the operation of this unit.
- Support equipment not listed above is not included (heated sample line, probe, calibration gases, etc...).