

# PICARRO

## Picarro Molecular Analyzers

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Distribution Unlimited

# Picarro: Our Mission

**To manufacture the world's highest performance and easiest to use molecular analyzers.**



- Start-up Procedure
  - Connect AC power, power umbilical, USB, keyboard, mouse, monitor
  - Connect vacuum and inlet tubing
  - Press start button
  - Wait for warm-up (<1 hour)
  - Measurements begin automatically

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# Technology Base

- All-optical measurement technology for unparalleled accuracy, simplicity, and robustness
- Cavity Ringdown Spectroscopy (CRDS) for ultratrace measurements (ppb to ppt) – 14 km path length in a 20cm cell
- 10 Femtometer precision Picarro wavelength monitor technology for superior selectivity, supports full nonlinear spectroscopic analysis
- Low (<5-40 scc) flow cell volume for fast response and small sample analysis
- Fast 400 Hz acquisition rates for rapid spectral analysis

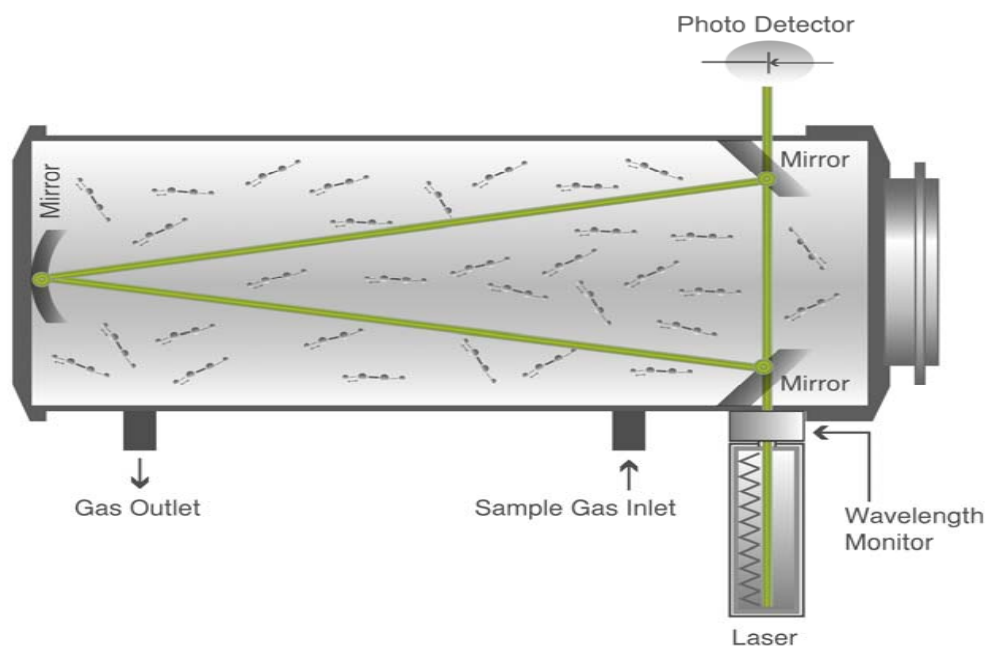
# Wave Length Scanning Cavity Ring Down Spectroscopy

Acetylene  
Ammonia  
Carbon Dioxide  
Carbon Isotopes (CO<sub>2</sub>)  
Carbon Monoxide  
Carbonyl Sulfide  
Ethylene  
Formaldehyde  
Hydrogen Cyanide  
Hydrogen Fluoride  
Hydrogen Sulfide  
Methane  
Methanol  
Moisture  
Nitrous Oxide  
Oxygen  
Water Isotopes

**PPB to PPT Sensitivity**

**Incredibly Fast & Reliable**

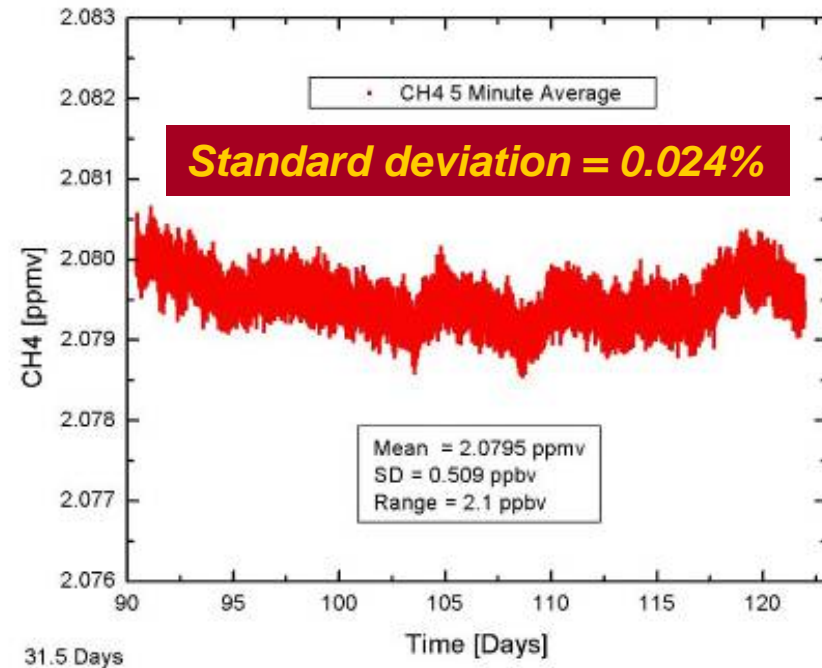
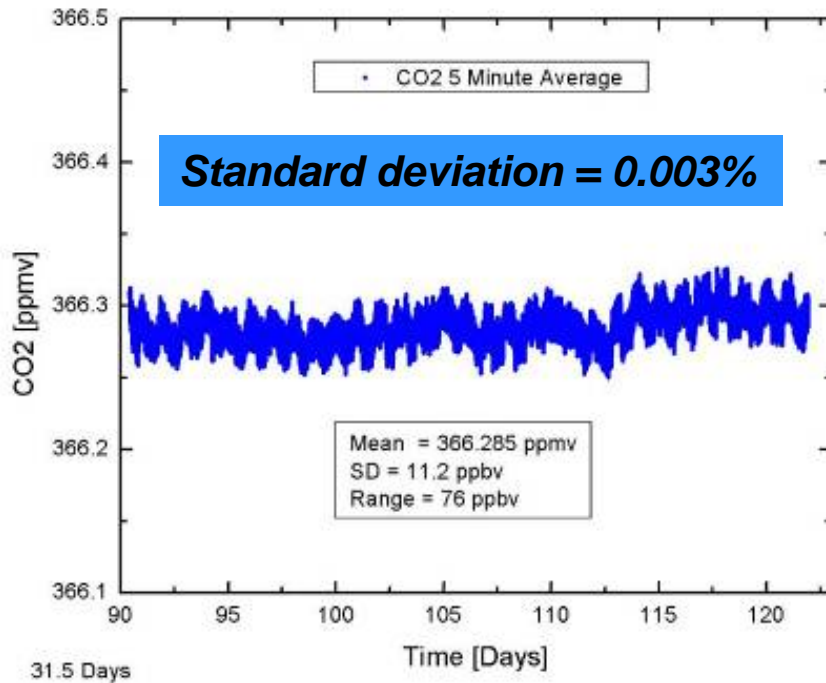
**Unsurpassed Selectivity**



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# Exceptionally stable measurements



**30-day test – continuous operation – no calibration**