

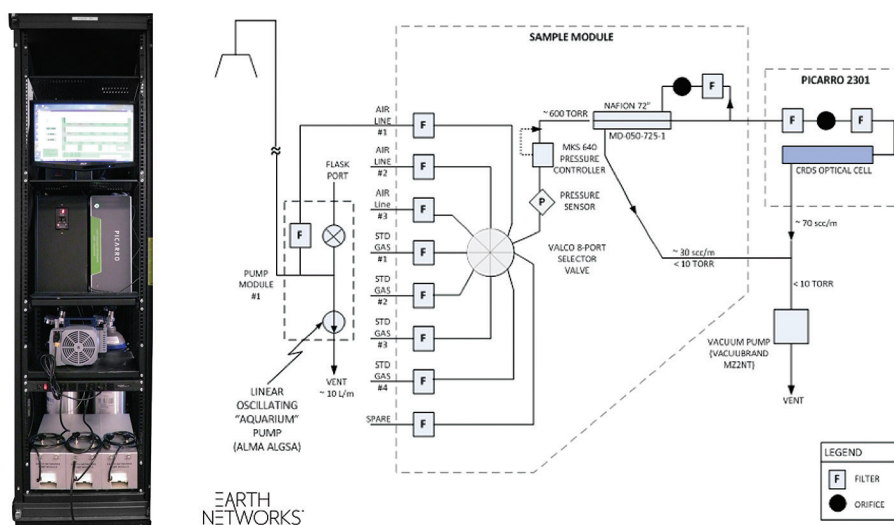
# EARTH NETWORKS CALIBRATION SYSTEM



## INTELLIGENCE THROUGH NETWORKED MEASUREMENT AND REPORTING

### OVERVIEW

The Earth Networks Calibration System (ENCS) is the result of a collaborative effort between Earth Networks and Scripps Institution of Oceanography, developed to monitor and calibrate gas analyzers to ensure precise measurement standards.



### BENEFITS



#### ENVIRONMENTAL COMPOSITION

Measure critical environmental factors like baseline composition, environmental patterns, and cause and effect.



#### ESSENTIAL REPORTING

Provide measurement, reporting and verification needed by the scientific community.



#### RELEVANT OBSERVATIONS

Help governments and other organizations to stay informed on current environmental observations.

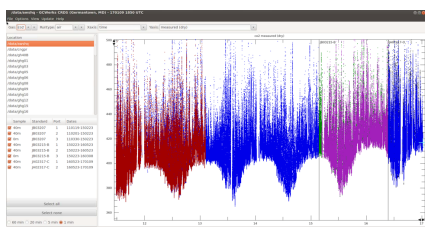


#### PUBLIC INFORMATION

Educate the public about greenhouse gas emission levels.

## KEY ADVANTAGES

- Continuous measurement for carbon tracker and other global models
- High quality equipment meets WMO standards
- Valuable data for public education on role of GHGs



Earth Networks HQ CO2 Data

Earth Networks Greenhouse Gas (GHG) network software interfaces directly with the ENCS and allows for automated remote scheduling of sampling as well as storage and backup of all gas analyzer data and system files to a cloud-based file system. The Earth Networks cloud-based processing system produces a calibrated data set based on NOAA standards which can be connected to ports 4, 5 and 6.

### SYSTEM COMPONENTS

<b>8 Port Valco Selector</b>	High Flow Line Pumps (3) Low Flow Pump (1)
<b>Nafion Drying System</b>	Integrated Heater
<b>Calibration Tanks (2)</b>	Rack Mount System
<b>Cabling and Hoses</b>	Pressure Regulator

### SPECIFICATIONS

<b>Rack Dimensions</b>	84"h x 22.5"w x 29.5"d
<b>Interface Control</b>	TCP/IP based interface control requires connection to a router
<b>System Accuracy</b>	CO2: 0.25 ppm CH4: 1.0 ppb

## CONNECT WITH US

For more than 20 years Earth Networks has operated the world's largest and most comprehensive weather observation, lightning detection, and climate networks.

Our observations inform and alert consumers, enterprises and governments around the world, providing them with advanced environmental intelligence for decision making and safety.

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