Elemental Instruments®
A DIVISION OF OHIO LUMEX

Elemental Instruments®
A DIVISION OF OHIO LUMEX

Key Features

Compact, cost-effective, and reliable

- Remarkably small footprint
  - General purpose enclosure: 13.25 x 11.25 x 7.75 in
  - Explosion proof enclosure: 17.5 x 14.25 x 8.63 in
- No air conditioning required
- No cabinet purge system needed in C1D2 areas
- Integrated cabinet heater
- Vacuum eductor technology eliminates need for unreliable sample pump

Excellent accuracy with fast response

- Measurement every second

Multiple technologies for optimal gas measurement:

- Nondispersive infrared (NDIR)
- Optical (LED)
- Electrochemical gas sensor

Raw biogas, process control and RNG applications:

- Integrated moisture control technology
  - Removes moisture from saturated raw biogas
  - Adds moisture to dry RNG
  - Protects internal components from moisture damage
  - Improves sensor performance
- Sensor purge system
  - Extends life of sensor
  - Improves accuracy
  - Protects sensor from damage
  - Programmable timing with factory default settings
- Integrated dilution system: allows measurement of high H_2S in raw biogas

Easy to operate

- No analytical specialist required
- Automatic or manual calibration (zero and span)
- Automatic correction for interferences

Communications package

- MODBUS TCP/IP
- LAN or remote access

Options

Enclosures

- Wall-mount NEMA-4X enclosure suitable for general purpose areas
- Wall-mount explosion-proof enclosure suitable for hazardous areas

Multi-sampling point switching system

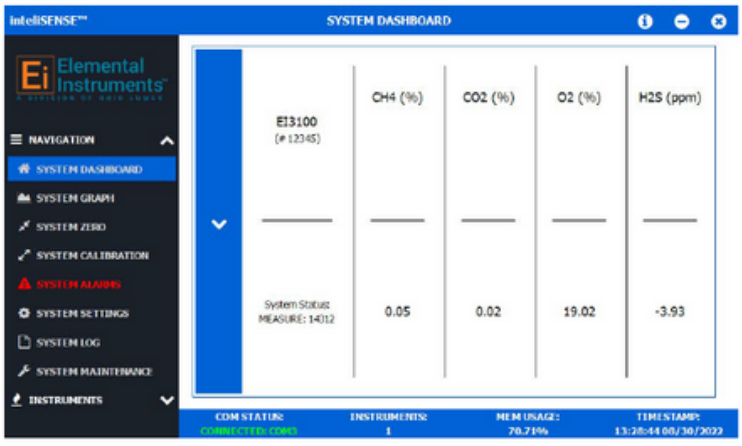
- Up to 4 sample streams
- Assign custom names to each stream
- Bypass flow for fast response times
- Automatic or manual switching

Sampling system

- Eductor (for low pressure applications)
- Sample probe (fixed or retractable)
- Pressure regulator (heated or unheated)
- Particulate and liquids knockout membrane
- Flow controller
- Sample line (heated or unheated)

Communications

- Analog (4 to 20 mA)



Office 1 440.264.2500
Toll Free 1 888.876.2611

Ohio Lumex Co., Inc.
30350 Bruce Industrial Pkwy
Solon, OH 44139

www.ohiolumex.com
mail@ohiolumex.com