Ei31 Compact Monitoring System
Biogas and RNG

T e 31 Compact Biogas Monitoring System is a cost-effective, all inclusive integrated monitoring system with online data logging that has been optimized for continuous biogas measurements. It is compact, wall-mountable, and easy to operate and maintain, whether used by experienced engineers or non-technical users.

Designed with flexibility in mind, the system is modular and capable of utilizing an assortment of gas analyzers with proven measurement principles to ensure optimal system configuration. The integrated InteliSense™ control and data acquisition software completes the turnkey solution and provides a simple and intuitive user interface, along with a comprehensive communications package and full remote access.

Optimized to continuously monitor the following key biogas components:
- Methane (CH_4)
- Carbon Dioxide (CO_2)
- Oxygen (O_2)
- Hydrogen Sulfide (H_2S)
- Moisture (H_2O) - optional
- Hydrogen (H_2) - Coming Soon!

pplications

- La   s
- aste ater Treatme t P a ts
- oo aste D esters co est o
- Da r arms
- o a P arms
- a B o as a Pro ct as N
- Process Co tro
- Tr c O oa
- I terco ect o Com a ce

Ei3100 Base Model

13.25 in.

11.25 in

Ei3100-EXP

17.5 in.

14.25 in

![Elemental Instruments® - A DIVISION OF OHIO LUMEX]

ey eatures

Compact, cost-effective, and reliable
- emar a sma oot r t
  - e era r ose e c os re
  - os o roo e c os re
- No ar co t o re re
- No ca et r es stem ee e C D areas
- I te rate ca et eater
- ac m e ctor tec o o e m ates ee or re a e sam e m

Excellent accuracy with fast response
- Meas reme t e er seco

Multiple technologies for optimal gas measurement:
- No s rs e rare NDI
- O t ca L D
- ectroc em ca as se sor

Raw biogas, process control and RNG applications:
- I te rate mo st re co tro tec o o
  - emo es mo st re rom sat rate ra o as
  - A s mo st re to r N
  - Protects ter a com o e ts rom mo st re ama e
  - Im ro es se sor er orma ce
- Se sor r e s stem
  - te s e o se sor
  - Im ro es acc rac
  - Protects se sor rom ama e
  - Pro ramma e t m t actor e a t sett s
- I te rate t o s stem a o s meas reme t o S ra o as

Easy to operate
- No a a t ca s ec a st re re
- A tomat c or ma a ca rat o ero a s a
- A tomat c correct o or ter ere ces

Communications package
- MODBUS TCP/IP
- LAN or remote access

ptions

Enclosures
- a mo t N MA e c os re s ta e or e era r ose areas
- a mo t e os o roo e c os re s ta e or a ar o s areas

Multi-sampliing point switching system
- U to sam e streams
- Ass c stom ames to eac stream
- B ass o or ast res o se t mes
- A tomat c or ma a s tc

ampling system
- ctor or o ress re a cat o s
- Sam e ro e e or retracta e
- Press re re ator eate or eate
- Part c ate a s oc o t mem ra e
- o co tro er
- Sam e e eate or eate

Communications
- A a o t o 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