



Farm Digester
Waste Water
Food Processing
Methane Recovery

Accurate Gas Monitoring for Biogas Applications

Designed to meet biogas project requirements, this simple to operate analyser is the ideal field instrument for anaerobic digester gas analysis. Easy to use and portable, the biogas check measures gas composition with repeatable accuracy on farms, food processing plants and waste water treatment facilities.

Benefits

- Enables consistent collection of data for improved analysis and accurate reporting
- Validates flow and gas composition for carbon credit trading
- Field proven technology
- Easy to use
- User configurable operation

Features

- Measures % CH₄, CO₂, and O₂ volume, static, differential and barometric pressures
- Measures additional gases with optional gas pods
- Reads gas temperature with optional temperature probe
- Calculates balance gas and flow (SCFM)
- Optional anemometer
- ATEX certified
- Easy field calibration by user
- Self-test and monitoring on start up
- Stores readings
- Easy-to-read
- User interchangeable filters

Applications

- Farm Digester
- Food Processing
- Waste Water
- Methane Recovery



Product Specifications

Gases Measured

CH₄, CO₂, by dual wavelength infrared cell with reference channel O₂ by internal electrochemical cell and H₂S by optional external gas pod

Range

CH ₄	0-100% Reading		
CO ₂	0-100% Reading	Additional gas pods on request	
O ₂	0-25%	H ₂ S	0-50,0-200,0-1000,or 0-5000ppm

Gas Accuracy*

	CH ₄	CO ₂	O ₂
0-5%	±0.5%	±0.5%	±1.0%
5-15%	±1.0%	±1.0%	±1.0%
15% - Full Scale	±3.0%	±3.0%	±1.0%

* With proper Field Calibration

Other Parameters

	Unit	Range	Comments
Static Pressure	mbar	± 500 mbar	Direct Measurement
Differential Pressure	mbar	± 125 mbar	Direct Measurement (less barometric)

Operating Temperature Range	0°C - 40°C
Relative Humidity	0-95% non-condensing
Barometric Pressure Range	± 200 mbar absolute
Barometric Pressure Activity	± 5 mbar absolute
Battery Life	Typical use 10 hours from fully charged
Charge Time	Approximately 2 hours from complete discharge
Recommended Field Calibration Gas Mix	65% CH ₄ / 35% CO ₂