Biogas Check
Biogas Analyser

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 compositon with repeatable accuracy on farms, food processing plants and wastewater treatment facitilies.

Benefits

- Enables consistent collection of data for improved analysis and accurate reporting
- Validates flow and gas composition for carbon credit trading
- Field proven technology

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)
- ATEX certified
- Easy field calibration by user
- Self-test and monitoring on start up
- Stores readings
- Easy-to-read
- User interchangeable lters

Applications

- Farm Digester
- Food Processing
- Wastewater
- Methane Recovery

Specifications

CH_4 0-100% Reading
CO_2 0-100% Reading
O2 0-25%
H_2S H2S (optional external) 0 – 5000ppm
H2S (optional internal) 0 – 10,000ppm

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%

Static Pressure
±500mbar (direct measurement

Differential Pressure
±125 mbar (direct measurement, less barometric)

Operating Temperature Range
0°c - 40°c

Relative Humidity
0-95% non-condensing

Barometric Pressure Range
± 200 mbr from calibration pressure. Recommendeed field calibration mix 60% CH4 40/% CO_2

Barometric Pressure Activity
± 5 mbar absolute

Battery Life
Typical use 10 hours from fully charged

Charge Time
Approximately 2 hours from complete discharge

Ordering Information

GTI BM2K-E000 Biogas Check Analyser Measures CH4/CO2/O2

GTIBM2K-E000H2S Biogas check Analyser with H2S gas pod

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