



CUBIC-RUIYI

ONLINE BIOGAS ANALYZER

Gasboard-3200



Applications

- Landfill site
- Waste water treatment
- Bio-methane plant
- CDM project
- Anaerobic digestion
- OEM Biogas monitoring system integrating

Benefits

- Measures CO₂, CH₄, O₂, H₂S gases, measure range can be customized
- Modular sensor design ensures easy calibration and maintenance
- Auto zeroing after power on for air purge, highly ensures reliable accuracy
- Optional gas conditioning device to remove vapor and dust to protect the analyzer
- Thermostatic control design on NDIR sensors, completely eliminate working temperature impact on accuracy

Features

- Modular sensor design
- LCD display (240 x 128) with backlit function
- Keyboard interface for configuration and calibration
- 4x 4-20mA analogue output per 4 measuring channels
- 2 alarm relays per measuring channel, with 2 freely configurable gas alarm levels
- RS232 COM port (for real time data download to external PC or laptop, software included)
- Programmable auto-zero function



SPECIFICATIONS

Component	Method	Measuring range	Resolution	Precision	Repeatability
CH4	NDIR	0-100%	0.01%	$\leq \pm 2\%$ FS	$\leq \pm 2\%$ FS
CO2	NDIR	0-50%	0.01%	$\leq \pm 2\%$ FS	$\leq 2\%$ FS
O2	ECD	0-25%	0.01%	$\leq \pm 3\%$ FS	$\leq 2\%$ FS
H2S	ECD	0-9999 ppm	1 ppm	$\leq \pm 3\%$ FS	$\leq 2\%$ FS

Note: Measuring range can be defined as customer request.

Flow 0.7-1.2L/min

Inlet pressure 2kPa -50kPa

Sampling gas condition Moisture removed (no vapor), dust filtered (<1um)

Response time (TD+T90) <10s (NDIR)

Warm up time 15 minutes

Communication interface RS232

Analog output 4-20mA (can be customized)

Working environment

Work temperature 0-50°C

Relative humidity $\leq 95\%$

Ambient pressure 86 – 108 kPa

Working power supply 220V \pm 44V AC 50Hz \pm 1Hz

Dimension 483mm*373*140mm (Width*length*height)

Weight Approximately 12 KG

