



# Infrared Biogas Analyzer

SAFETY – PROCESS  
INDUSTRY  
LABORATORY & RESEARCH

***Hubei Cubic-Ruiyi Instrument Co.,Ltd***

*ADD: Fenghuang No.3 Road, Fenghuang Industrial  
Park, Eastlake Hi-tech Development Zone,*

*Wuhan, 430205, China*

*TEL: +86-27- 81628831*

*FAX: +86-27-87401159*

*Web: <http://www.gasalyzer.com.cn>*

# Portable GAS3200L Biogas Analyzer

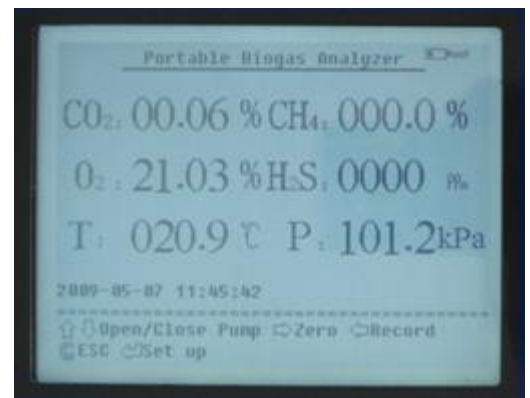
$O_2\%$  +  $CO_2\%$  +  $CH_4\%$  +  $H_2S$  ppm  
+ optional  $N_2$  value calculation



**Model:** Gasboard 3200L

## Applications

- Biogas plants
- Anaerobic digestion
- Waste water treatment plants
- Sludge digestion
- Biomethane production plants
- Landfill sites



# SPECIFICATIONS

Measurement	CO <sub>2</sub> , CH <sub>4</sub> , O <sub>2</sub> , H <sub>2</sub> S, Tamb(optional), Pamb(Optional) N <sub>2</sub> calculation in option
Technology	CO <sub>2</sub> , CH <sub>4</sub> : proprietary dual beam NDIR detectors O <sub>2</sub> , H <sub>2</sub> S : industrial electrochemical cells
Ranges	CO <sub>2</sub> : 0-50%, CH <sub>4</sub> : 0-100% , O <sub>2</sub> : 0-25% H <sub>2</sub> S: 0-1000/2000/5000/9999ppm
Resolution	CO <sub>2</sub> , CH <sub>4</sub> , O <sub>2</sub> : 0,01% H <sub>2</sub> S : 1 ppm
Accuracy	CO <sub>2</sub> , CH <sub>4</sub> : $\leq \pm 2\%$ FS O <sub>2</sub> ,H <sub>2</sub> S : $\leq \pm 3\%$ FS
Repeatability	$\leq 2\%$
Zero	Auto-zeroing function via keyboard interface
Flow	0,7 to 1,2L/min, internal gas sampling pump
Inlet pressure	2 to 50 kPa
Gas conditions	No dust, water vapour, tar
Operating conditions	Tamb : 0-50° C Pamb : 86 to 108 kPa RH : 0-95% non condensing
Response time (T90)	$\leq 15$ sec (NDIR + O <sub>2</sub> ) $\leq 60$ sec H <sub>2</sub> S
Warm-up time	15 min
Communication interface	RS232 ( real time and memory data download software included)
Power supply	External 220 VAC-50Hz Internal with battery and charger; Autonomy of > 4h with pump in operation
Data logging	Up to 1500 sets of 6 data
Display	LCD 320 x 240 display with back-lit function
Casing	Robust casing in aluminium with cover and shoulder trap
Dimensions and weight	380 × 140 × 255 mm / 5 kg max

# ACCESSORIES & OPTIONS

## Standard accessories

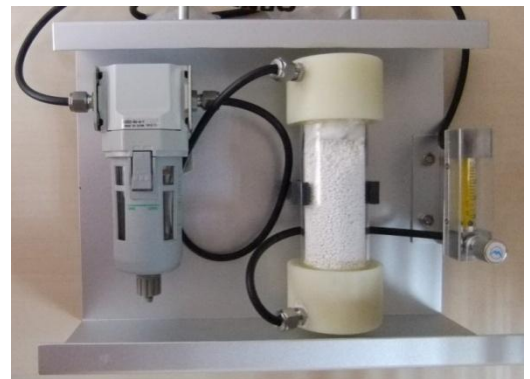
- Nylon carrying bag for analyzer and accessories
- Gas in/out tubing
- Power cable 220 VAC
- RS232 cable
- Operation manual
- Test & calibration report



RS232 cable



## Optional Gas conditioning device



# APPLICATIONS



LANDFILL



FLARE



BIOGAS PLANT