CUBIC
INSTRUMENTS

Handheld Biogas Analyzer

Gasboard-3200Plus



www.gas-analyzers.com

Introduction

Gasboard-3200Plus is a handheld biogas analyzer designed to measure CH4, CO2, O2, and H2S, with optional H2 and CO measurement. Powered by a lithium battery and featuring a compact, modular sensor design, Gasboard-3200Plus is ideal for remote and on-site measurements while ensuring easy operation and maintenance. Gasboard-3200Plus provides reliable measurement data for research and routine inspections across a wide range of biogas applications, including anaerobic digestion, landfill gas, wastewater treatment, biomethane upgrading, and RNG injection into the gas grid.

Features

- Modular NDIR and ECD sensor design for easy maintenance.
- Compact design with weight of 1.2Kg only, easy carrying among different sites.
- Automatic temperature compensation for improved measurement accuracy.
- Precision filters remove moisture and dust from the sample gas to protect the analyzer.
- Rechargeable lithium battery supports up to 8 hours of continuous working.
- Built-in memory stores up to 2,560 records for easy data transfer to PC.

Parameters

Standard Measurement	CH4, CO2, H2S, O2
Optional Measurement	CO, H2 (optional)
Technology	CH4, CO2 (NDIR) H2S, O2, CO, H2 (ECD)
Range	CH4: 0~100% CO2: 0~50% H2S: 0~9999ppm O2: 0~25% CO: 0~2000ppm H2:0~2000ppm *Measurement range can be customized
Resolution	CH4, CO2, O2: 0.01% H2S, CO, H2: 1ppm
Precision	CO2, CH4: <2%FS H2S, O2, CO, H2: <3%FS
Inlet Gas Flow	0.7~1.2 L/min
Inlet Gas Pressure	2~50 kPa
Sampling Gas Condition	No tar, no dust and no water
Response Time	T90<10s (NDIR)
Display	High-resolution colored 3.2-inch
Communication Interace	USB port, bluetooth 4.0
Lithium Battery Pack	Rechargeable
Work Temperature	-10~40°C
Relative Humidity	<95% non condensing
Ambient Pressure	70~120 kPa
Dimension	L295*W196*H62 (mm)
Weight	1.2kgs

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