

LABWAN PORTABLE BIOGAS ANALYZER

Product Description

The LABWAN LW-K600 Portable Biogas Analyzer is a high-performance multi-gas detection system designed for biogas monitoring, process analysis, safety inspections, and environmental applications.

The instrument simultaneously measures Methane (CH₄), Carbon Dioxide (CO₂), Oxygen (O₂), and Hydrogen Sulfide (H₂S), providing accurate real-time analysis of biogas composition. Its built-in sampling pump, color LCD display, and portable design make it suitable for field and laboratory use

The LW-K600 is widely used in biogas plants, wastewater treatment facilities, methane recovery systems, agricultural digesters, research laboratories, and industrial process monitoring applications.

Features

- Built-in sampling pump
- Simultaneous multi-gas measurement
- 2.4 inch color LCD display
- Sound, light and vibration alarms
- Curve display function
- Portable handheld design
- Rechargeable lithium battery
- Continuous operation up to 10 hours
- Fast response and stable performance
- Compact and lightweight construction
- Suitable for field and laboratory applications
- Explosion-proof design

Application/Uses

- Farm digester gas monitoring
- Food processing biogas monitoring
- Wastewater biogas monitoring
- Methane recovery systems
- Laboratory research and analysis
- Environmental monitoring
- Industrial safety applications



Technical Specifications

Parameter	Specification
Product Name	Portable Biogas Analyzer
Model Number	LW-K600
Gas Sampling Method	Pumping
Display	2.4 Inch Color LCD
Alarm Method	Sound, Light & Vibration
Battery	3.7V Rechargeable Lithium Battery
Battery Capacity	3600mAh
Charging Time	4–6 Hours
Continuous Working Time	≥10 Hours
Operating Temperature	-20°C to 50°C
Dimensions	174 × 68 × 47 mm
Explosion Proof Rating	Exib IIC T4 Gb



GAS MEASUREMENT SPECIFICATIONS

Gas	Range	Accuracy	Resolution
CH ₄	0–100 %vol	±5% (F.S)	1 %vol
CO ₂	0–100 %vol	±5% (F.S)	1 %vol
O ₂	0–30 %vol	±5% (F.S)	0.1 %vol
H ₂ S	0–500 ppm / 0–1,000 ppm / 0–5,000 ppm / 0–10,000 ppm	±5% (F.S)	1 ppm

OPTIONAL GAS

Gas	Range	Accuracy	Resolution
CO	0–1,000 ppm	±5% (F.S)	1 ppm
NH ₃	0–100 ppm	±5% (F.S)	1 ppm
H ₂	0–1,000 ppm	±5% (F.S)	1 ppm

Standard Accessories

- Portable Biogas Analyzer
- Sampling Pump
- Rechargeable Battery
- Battery Charger
- User Instruction Manual
- Carrying Case

