



LAND FILL GAS ANALYZER

Landfill Gas Analyzer is designed to measure the gases like CH₄, H₂S, CO, CO₂ & O₂ recovered and processed from Landfill sites.

BI7100 Landfill gas analyzer continuously removes moisture from the wet sample gas and comes complete with pre-filter, sample pump, flow meter, continuous moisture removal system, long-life O₂ CO₂ & CH₄ sensor alarm relay contacts and 4-20mA outputs for each gas measured.

SPECIFICATIONS :

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|---------------------------|---|
| Accuracy & Repeatability | ± 2% of reading for all gases |
| Drift | Less than 2% of full scale per month |
| Response Time (T-90) | 20-30 seconds |
| Ambient Temperature Range | 4 to 50°C |
| Power | 80 to 230 VAC 50 Hz |
| Output | Isolated 4-20 mA standard RS 485, supports MODBUS protocol |
| Relay Output | 2 Nos. of potential free contacts |

Features:-

- 32-Bit Cortex-M3 ARM Processor
- 5.7" QVGA TFT Touch Screen Display
- Built-in sample pump, pre-filter, filters and flow meter
- Relays for high & low alarms
- Long life Electrochemical O₂ sensor
- Automatic moisture removal system included
- RS485, supports MODBUS protocol
- Temperature controlled sensors for maximum stability
- Isolated 4-20 mA analog output for each gas
- Infrared sensor for reliable measurement of CO₂ and CH₄
- Cabinet positive-pressure system to minimize the corrosive effects hydrogen sulfide (H₂S) on cabinet electronics & sensors
- PTFE tubing and corrosion-resistant

