



MULTI GAS (CO₂, CO, O₂, NH₃) HANDHELD DETECTOR

Handheld Multi Gas Detector

The GasLab Plus CM-510 is a Multi-Gas Meter designed to measure multiple gas concentrations in a wide range of industries and applications.

With long-term data storage, the user can measure ambient gas levels by data displayed and gain indication by visual and audible alarm settings.

Features

- NDIR (CO₂), EC (CO and NH₃), and Fluorescence quenching by Oxygen (O₂)
- CO₂, CO, O₂, NH₃, PM_{2.5}, PM₁₀, Temp, RH, Baro
- Large LCD display for easy readability
- Audible Alarm
- Data Logging with SD Card
- Multiple Connected Units by RS485 interface
- LCD Backlight for easy readability by dark
- Li-ion rechargeable batteries

Accessories

BAT-18650 - EBL 18650 3.7V Li-ion

Rechargeable Batteries | EBL Intelligent Batteries (need 3 for device) provides a fast charge and are upgraded ETL certified to be used with all CM-500 series handheld gas detectors.

EBL Universal Battery Charger for 3.7V

Rechargeable Batteries | With the EBL Universal Battery Charger, users will be able to charge the lithium batteries when plugged into a USB outlet. The battery charger also provides a clear indication of charge levels, turning green after fully charged.

Applications



Agriculture



Breweries
& Wineries



Cryogenics



Scientific



Medical



Safety



Poultry



Beverage
Dispensing

TECHNICAL DATA

Multi Gas (CO₂, CO, O₂, NH₃) Handheld Detector

CO₂ Measurement Range	0~9999 ppm
CO₂ Measurement	NDIR, EC, and Fluorescence quenching by Oxygen
CO Measurement	0~1,000 ppm
O₂ Measurement	0-25%
NH₃ Measurement	Performance indicator only
CO₂ Accuracy	± 50ppm, ± 5% of reading (0~5,000 ppm)
CO Accuracy	±5%~±10%
O₂ Accuracy	<2% FS/0.1 mbar
NH₃ Accuracy	±10%
Temperature Range	0~50°C
Sensor Life Expectancy	NDIR: Up to 15 years EC: 1 year NH₃: 2 years Fluorescence-based by quenching: 5 years

Electrical and Mechanical Specifications

Power Supply	Rechargeable Battery : Li-ion 18650 3.7V (device uses 3) AC Adapter : 5V±5% >1A, 100~240 VAC, 50/60 Hz
Battery Life	Tested to 24+ hours



Call 1.877.678.4259
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