



PORTABLE CO₂ WELDING GAS ANALYZER

Because Accuracy, Precision, and Analysis Matters.

With the CM-1650 Portable CO₂ Welding Gas Analyzer, CO2Meter is providing advanced analysis of active welding gas blends that contain 0-100% carbon dioxide. This device verifies the most common gas mixtures in the industry and will set the main targets for verification.

This device also meets accuracy standards set by the American Welding Society (AWS) at a flow rate of 0.5-1.5mL per minute.

Features

- Gas Concentrations: 0-100% CO₂
- Custom selection for concentration range
- Quality NDIR CO₂ sensing technology
- Large, back-lit LCD display
- Compact, easy to use in the field
- Data Logging to a Micro SD Card
- Li-ion rechargeable batteries (last 30+ hrs)

Accessories

- **BAT-18560** | EBL 18650 3.7V Li-ion 3ct rechargeable batteries
- **EBL Universal Battery Charger**

Compliance

- **IFC 2021 Edition**
- **NFPA 55**
- **NBIC**
- **OSHA/NIOSH**

Applications



Welding



Fabrication



Industrial



Analysis

TECHNICAL DATA

Multi Gas Sampling Data Logger

Measuring Gas and Range	Carbon Dioxide, 0-100% Nondispersive Infrared NDIR sensor
Measurement Targets	C2, C10, C15, C25 and C50 (custom options available on request)
Custom Targets	C5, C20, C30, C35, C40, C45, C50, C55, C60, C65, C70, C75, C80, C85, C90, C95, C100
Sample Method	Diffusion
Accuracy	@ 100% Range ± 300 ppm $\pm 5\%$ of reading @ STP
Operating Conditions	-0° C to 50° C to 95% RH, non-condensing
Battery	(QTY-3) Li-ion rechargeable batteries, 30+ hours per charge
Dimensions	20x21x18 mm (LxWxH)
Weight	+305 g

CM-1650 Display Examples



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