



CO₂ + O₂ WELDING GAS ANALYZER

Verify Gas Blends for the Best Welding Results.

With the CM-1652 CO₂ + O₂ Welding Gas Analyzer, individuals can gain advanced analysis of active welding gas blends that contain 0-25% oxygen or 0-50% 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: 0-50% CO₂
- Gas Concentrations: 0-25% O₂
- Custom selection for concentration range
- Quality NDIR and 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**

Meets AWS 5.3 Standards

				
Blend	Range	Below Range	In Range	Above Range
C2	1.5-2.5%	Measurement < 1.5%	1.5-2.5%	Measurement > 2.5%
C10	9-11%	Measurement < 9%	9-11%	Measurement > 11%
C15	13.5-16.5%	Measurement < 13.5%	13.5-16.5%	Measurement > 16.5%
C25	22.5-27.5%	Measurement < 22.5%	22.5-27.5%	Measurement > 27.5%
C50	45-55%	Measurement < 45%	45-55%	Measurement > 55%

Applications



Welding



Fabrication



Industrial



Analysis

TECHNICAL DATA

CO₂ and O₂ Welding Gas Analyzer

Measuring Gas and Range	Carbon Dioxide 0-50% Oxygen 0-25%
Measurement Targets	C2, C5, C10, C15, C20, C25, C30, C35, C40, C45, C50, O2
Sample Method	Flow Through
CO₂ Accuracy	±300 ppm or +/-5% of reading @ STP
O₂ Accuracy	Better than 2% at full scale
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-1652 Display Examples



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