



Carbon Monoxide / Carbon Dioxide *Indoor Air Quality Meter*

The ESCM-07 meter measures CO, levels, CO levels, air temperature, dew point, wet bulb temperature, and humidity. The ESCM-07 is an ideal instrument for indoor air quality (IAQ) diagnosis. The portable ESCM-07 uses NDIR (non-dispersive infrared) technology for CO₂ measurement to ensure reliability and long-term stability. It is useful in verifying HVAC systems performance and air ventilation control.

Poor indoor air quality causes tiredness, inability to concentrate, and even illness (ex. Sick Building Syndrome). IAQ monitoring and surveying especially for CO₂ levels and air ventilation has become widely applied in public offices, classrooms, factories, hospitals, and hotels. It is also recommended for regulating standards of industrial air quality in some countries.

Features

- 4 in 1 Measures:
CO, CO₂, Temperature, and RH
- Calculates Dew Point and
Wet Bulb Temperature
- Programmable CO Level Alarm
- Audible Alarm
- 8 Hr Time Weighted Average (TWA)
15 Min Short Term Exposure Limit (STEL)
- Max and Min functions
- 99 points manual recording
- 8,000 points auto recording
- In-Field Calibration (CO₂, RH%)
- Computer Connectivity
- 1 Year Limited Warranty

Part #ESCM-07

AQM4 Air Quality Meter

Functions

- 4 in 1 Measures: CO, CO₂, Temperature, and RH
- One touch to display CO₂ / dew point / temperature / wet bulb temperature / air temperature / humidity / CO in sequence
- Max and min functions included (TWA and STEL for CO₂ only)
- 99 points manual recording
- 8000 points auto recording

Features

- Large LCD display
- Designed with NDIR waveguide technology CO₂ sensor
- Programmable CO level alarm
- Extended drift compensation on CO₂ sensor
- Audible alarm (~ 80db) threshold setting
- Mini USB to PC download function for analysis
- Hold function freezes current readings
- Housing designed to help air ventilation for quick and accurate response.
- Easy to manually calibrate CO₂
- 2 Year Limited Warranty

Includes

AQM4 Meter, 4 AA Batteries, Mini USB Cable and software CD, Operation Manual, Hard Carrying Case, 33% Calibration Salt, 75% Calibration Salt, AC Power Adapter

Specification

	CO ₂	CO	Temperature	Relative Humidity	Dew Point Temp.	Wet Bulb Temp	Resolution
Measuring Range	0 ~ 9999ppm	0 ~ 1000ppm	-20 ~ 60°C (-5 ~ 140°F)	0.1% ~ 99.9%	-20.0 ~ 59.9°C -4 ~ 140°F	-5.0 ~ 59.9°C -23 ~ 140°F	1ppm, 0.1°C/°F, 0.1%RH
Accuracy	±30ppm ± 5% of reading (0 ~ 5000ppm)	±10ppm for less than 100ppm ±10% of reading for 101~500ppm ±20% of reading for 501ppm and above	±0.6°C/+0/9°F	±3% (at 25°C, 10~90%) ±5% (at 25°C, other range)			
Response Time	<30 seconds (90% step change)	<60 seconds (90% step change)	<2 mins (90% step change)	<10 mins (90% step change)			
Specifications	LCD/Meter Size (mm) 26(H) x 44 (L), 205(L) x 70 (W) x 56(H)	Operating Condition -20 to 50°C (CO ₂ Sensor) 0 to 500°C (CO Sensor) -20 to 60°C	Storage Condition -20 ~ 60°C, 10 ~ 90% RH	Power Supply AA x 4pcs or 9V Adaptor	Battery Life >24 hours (Alkaline Battery)	Weight 200g	