

DT-8502/8503

Complete Air Quality Meter



CEM

The complete air quality meter offers an unparalleled featureset for HVAC and facilities technicians, helping them work more quickly and accurately, with the ease of use and durability customers expect meter.

Features

Simultaneously measures, logs, and displays temperature, humidity, CO₂, and CO on a bright, backlit LCD display
Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
One-touch air flow and velocity with available probe
Wet bulb and dew point temperature
% of outside air calculation
CO₂ and CO field calibration feature
Min/Max/Average on all measured and calculated readings
Audible and visual threshold alarms
Extensive discrete or continuous data logging capacity, downloadable to PC via USB interface



EMC
EN: 61326

Specifications

Function	Range	Resolution	Accuracy	8502	8503
CO ₂	0-8000ppm	1ppm	±7.5ppm(0-2000ppm) ±1.0%(2000-8000ppm)	*	*
CO	0-1000ppm	1ppm	±5% or ±10ppm		*
Temperature	-20 to 60°C -4 to 140°F	0.1°C/0.1°F	±0.9°C/1.62°F(40 to 60°C/74 to 140°F) ±0.5°C/1°F(5 to 40°C/41 to 74°F) ±1.1°C/1.98°F(-20 to 5°C/-4°F to 41°F)	*	*
Humidity	10 to 90%RH	1%RH	±2.5%RH	*	*
Dew Point Temp	-44 to 57°C -47 to 135°F	0.1°C/°F	±1°C(-20 to 60°C/40 to 90%RH) ±2°C(-20 to 60°C/20 to 60%RH) ±4°C(10 to 20%RH)	*	*
Wet Bulb Temp	-16 to 57°C 3 to 135°F	0.1°C/°F	±1.2°C(-20 to 60°C/20 to 90%RH) ±2.1°C(10 to 20%RH)	*	*

Size(HxWxD): 307mm x 78mm x 57mm
Weight: 355g

Accessories :
NiMH battery, gift box with carrying case.

Model 8502



Model 8503



DT-802 Desktop Indoor Air Quality CO₂ Monitor

Features

Checks for Carbon Dioxide (CO₂) concentrations with Max/Min value recall function
Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
Indoor Air Quality displayed in ppm with Good (380 to 420ppm), Normal (<1000ppm), Poor (>1000ppm) indication
Visible and Audible CO₂ warning alarm
Displays Year, Month, Date, and Time
Automatic Baseline Calibration (minimum CO₂ level over 7.5 days) or manual calibration in fresh air

Specifications

Function	Range	Resolution	Accuracy
CO ₂	0-9999ppm	1ppm	±7.5ppm(0-2000ppm)/±8%(2000-9999ppm)
Temperature	-10 to 60°C/14 to 140°F	0.1°C/°F	±1°C/1.8°F
Humidity	0.1 to 99.9%RH	0.1%RH	±3%RH(25°C/30 to 99%RH) ±4%RH(25°C/0 to 30%RH)



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Size(HxWxD): 110mm x 105mm x 61mm
Weight: 230g

Accessories :
NiMH battery, gift box with carrying case.

Model 802

