

VPC300 Certified Video Particle Counter with built-in Camera



Use the included Windows® compatible software to generate reports with videos, photos, and data points.



www.extech.com/video

Unique built-in camera for capturing videos and photos that are stored onto internal memory or a microSD card (not included)

- Simultaneously measure and display 6 channels of particle sizes (down to 0.3 µm), Air Temperature, Humidity, Dew Point and Wet Bulb
- 2.8" TFT Color LCD display
- Built-in 320x240-pixel camera takes videos (3 GP) and photo images (JPEG) and records them in internal 74 MB memory
- Internal memory stores 5000 records (date, time, counts, humidity, temperature, sample volumes, and location label) and 20 minutes of video
- Selectable sample time, count data, and programmable delay
- MAX, MIN, DIF, AVG record, Date/time setup controls
- Auto Power Off
- Language selection: English, French, German, Spanish
- Meter is calibrated traceable to NIST
- Tripod mount for continuous recording
- Mini-USB port connection
- microSD card slot in battery compartment (card not included; max size 8 GB)
- 2-year warranty
- Complete with NIST-traceable calibration certificate, Universal AC Adapter/Charger with multiple plugs, USB cable, PC software, tripod, filter, 7.4 V NiMH battery, and hard case

SPECIFICATIONS

Particle Size Channels	0.3, 0.5, 1.0, 2.5, 5.0, 10 µm
Flow Rate	0.1 ft³ (2.83 L/min) controlled by internal pump
Count Modes	Cumulative, Differential, Concentration
Counting Efficiency	50% @ 0.3 µm; 100% for particles>0.45
Coincidence Loss	5% @ 2,000,000 particles per ft³
Air Temperature	-14 to 140°F (-25 to 60°C); Accuracy:±2°F/1°C
Relative Humidity	0 to 100% RH; Accuracy:±3% RH (40% to 60% RH)
Dew Point/ Wet Bulb	32 to 122°F (0 to 50°C)
Dimensions/Weight	9.4x 3x2.2" (240x75x57 mm)/1.26 lbs (570 g)

ORDERING (NOTE: Order replacement battery with meter due to dangerous goods shipping restrictions for individual batteries)

VPC300	Video Particle Counter
VPC-BATT	Replacement 7.4 V NiMH battery
VPC-ADPTR	Universal AC Adapter/Charger with multiple plugs (US, EU, UK, AU)

RD300 Refrigerant Leak Detector



User-selectable High/Medium/Low sensitivity levels. Ideal for detecting standard refrigerant leaks from air-conditioning units and cooling systems

- Detects all standard refrigerants using a heated diode sensor
- LED light at probe tip (with on/off switch) for working in dimly lit areas
- LEDs display user-selectable High/Medium/Low levels with sensitivity of 0.25/0.50/0.99 oz per year
- Audible and Visual alert with mute button; Low battery indicator
- Field replaceable sensor (SD300-S)
- Dimensions: 7.2x2.8x1.6" (184x70x40 mm); Weight: 10 oz (280 g)
- 2-year warranty
- Complete with sensor tip and LED light, leak test bottle, 9 V battery, and hard case

ORDERING

RD300	Refrigerant Leakage Detector
RD300-S	Replacement Heated Diode Sensor Tip



RD300-S



RD200 Refrigerant Leak Detector



CE

User-selectable High/Low sensitivity levels. Ideal for detecting standard refrigerant leaks from air-conditioning units and cooling systems

- Detects all standard refrigerants using a heated diode sensor
- User-selectable sensitivity level:
 - Low - 1.05 oz (30 g) per year
 - High - 0.2 oz (6 g) per year
- Multi-colored LED light bar indicates the level of refrigerant leakage detected
- 19.8" (50.2 cm) flexible gooseneck retains its shape and provides easy access in difficult to reach locations
- Audible and Visual alert
- Low battery indicator
- Convenient field replaceable sensor (RD200-S)
- Leak Test Bottle included for a quick and easy self test on meter performance
- Dims: Meter - 7.3x2.8x1.4" (185x72x35 mm); Sensor with Gooseneck - 20.5" (520 mm) long, Probe Diameter - 0.32" (8 mm); Weight: 12 oz (340 g)
- 2-year warranty
- Complete with sensor (installed), leak test bottle, 9 V battery, and hard carrying case

ORDERING

RD200	Refrigerant Leak Detector
RD200-S	Replacement Refrigerant Leak Sensor

EZ40 EzFlex™ Combustible Gas Leak Detector



CE

Quickly identifies and pinpoints gas leaks

- 16" (406 mm) gooseneck for easy access into hard to reach locations
- High sensitivity
- One hand operation with thumb controlled sensitivity adjustment, to eliminate background gas levels
- Visible and audible alarm at 10% (LEL) Lower Explosive Limit for methane
- Locate the smallest leaks
- Complete with 3 "C" batteries; 2-year warranty

SPECIFICATIONS

Pump driven field calibration range	10 ppm
Sensor type	Solid State
Alarm	Visible and Audible @ 10% LEL for Methane
Warm-up	Approx. 1 minute
Response Time	< 2 seconds (up to 40% LEL)
Duty Cycle	Intermittent
Battery life	8 hours continuous use typical
Dimensions/Weight	8.7x2.83x1.8" (221x72x46 mm)/18.4 oz (520 g)

ORDERING

EZ40	ExFlex™ Combustible Gas Leak Detector
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FG100 Combustible Gas Leak Detector



CE

Fast response detection of flammable gas leakage

- Detects flammable gases: LNG - Liquefied Natural Gas (1000 to 6500 ppm) and LPG - Liquefied Propane Gas (500 to 6500 ppm)
- Highly sensitive detection circuitry with audible and visual alarm
- LED indicators for gas leakage and static discharge
- Continuous operation up to 4 hours
- Dimensions/Weight: 6.5x0.8" (164x21 mm)/0.9 oz (25 g)
- Complete with pocket clip and two AAA batteries; 2-year warranty

ORDERING

FG100	Combustible Gas Leak Detector
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CO260 Indoor Air Quality CO/CO₂ Meter/Datalogger



NEW



CE

Automatic Baseline Calibration (ABC) with disable for use in areas with continuously elevated CO₂ levels (>400 ppm)

- Manually step through readings of CO, CO₂, Dew Point, Wet Bulb, Air Temperature, and Relative Humidity on large backlit LCD with real time clock
- Built-in maintenance free NDIR (non-dispersive infrared) CO₂ sensor
- Programmable CO warning level with audible alarm
- Calculates statistical weighted averages of TWA (8 hour time weighted average) and STEL (15 minute short term exposure limit)
- Pressure compensation adjustment for measuring CO₂ at altitudes other than sea level
- Manually store/recall 99 readings
- Continuous datalogging up to 32k readings
- USB interface with PC software for further data analysis
- Min/Max, Data Hold, and Auto Power Off with disable
- 2-year warranty
- Complete with 4 AA batteries, USB cable, PC software and hard case
- Optional 33% and 75% RH calibration bottles (RH300-CAL)

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Carbon Monoxide (CO)	0 to 1,000 ppm	1 ppm	±10ppm<100 ppm, ±10% 101-500 ppm, ±20%>500 ppm
Carbon Dioxide (CO ₂)	0 to 9,999 ppm	1 ppm	±30 ppm+5% reading
Temperature	-5 to 140°F (-20 to 60°C)	0.1°	±1°F/0.6°C
Humidity	0.1 to 99.9% RH	0.1%	±3% RH
Wet Bulb	23 to 140°F (-5 to 59.9°C)	0.1°	Calculated
Dew Point	-4 to 140°F (-20 to 59.9°C)	0.1°	Calculated
Dimensions/Weight	7.9x2.7x2.3" (200x70x57 mm)/6.7 oz (190 g)		

ORDERING

CO260	Indoor Air Quality CO/CO ₂ Meter/Datalogger
RH300-CAL	33% and 75% RH Calibration Kit

CO250 Indoor Air Quality CO₂ Meter



Measure CO₂ level in office buildings to ensure proper ventilation.

CE

Measures Carbon Dioxide (CO₂), Temperature, Humidity, Dew Point, and Wet Bulb and calculates statistical 8 hour and 15 minute time weighted averages

- Checks for Carbon Dioxide (CO₂) concentrations, measures Temperature and Relative Humidity, and displays calculated Dew Point and Wet Bulb
- Calculates statistical weighted averages of TWA (8-hour time weighted average) and STEL (15-minute short term exposure limit)
- Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
- Backlit triple LCD display and user programmable audible alarm
- RS-232 interface, software and cable included to analyze data on a PC
- 2-year warranty
- Complete with software and cable, 4 AA batteries, and case
- Optional 33% and 75% RH calibration bottles (RH300-CAL)

SPECIFICATIONS	RANGE	RESOLUTION
Carbon Dioxide (CO ₂)	0 to 5,000 ppm	1 ppm
Temperature	14 to 140°F (-10 to 60°C)	0.1°F/°C
Humidity	0.0 to 99.9% RH	0.1% RH
Dimensions/Weight	7.9x2.7x2.3" (200x70x57 mm)/6.7 oz. (190 g)	

ORDERING

CO250	Indoor Air Quality CO ₂ Meter
RH300-CAL	33% and 75% RH Calibration Kit

CALIBRATION TRACEABLE TO NIST

CO240 Indoor Air Quality CO₂ Meter



CE

Dual display of CO₂ level and Humidity, Temperature, Dew Point, or Wet Bulb

- Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
- Audible CO₂ warning alarm when concentration level exceeds high user set point
- Min/Max CO₂ value recall function
- Software for on-line (real-time) data streaming to a PC
- Automatic Baseline Calibration function
- Data hold, Low battery indicator, and Auto Power Off (with disable) function
- Tripod mount (tripod sold separately)
- Complete with six AAA batteries, USB cable, PC software, and soft case; 2-year warranty

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Carbon Dioxide (CO ₂)	0 to 9,999 ppm	1 ppm	±(5% rdg + 75 ppm)
Temperature (Air)	14 to 122°F (-10 to 50°C)	0.1°F/°C	±2.0°F (1.0°C)
Relative Humidity	10 to 90% RH	0.1% RH	±5% RH @ 25°C
Dew Point	-99.2 to 118°F (-72.9 to 47°C)	0.1°F/°C	
Wet Bulb	12.2 to 118.8°F (-11 to 48.2°C)	0.1°F/°C	
Dimensions	8.3x2.4x1.6" (211x60x40 mm)		
Weight	6.4 oz (181.4 g)		

ORDERING

CO240 Indoor Air Quality CO₂ Meter

EA80 Indoor Air Quality CO₂ Meter/Datalogger



Includes 6 AAA batteries, PC cable, and Windows® compatible software; 2-year warranty

CE

Measures CO₂ level, Temperature, Humidity, Dew Point and Wet Bulb

- Checks for Carbon Dioxide (CO₂) concentrations, measures Temperature and Relative Humidity, and displays calculated Dew Point and Wet Bulb
- Maintenance free dual wavelength NDIR (non-dispersive infrared) CO₂ sensor
- Continuous (20,000 sets) or manual (99 sets) datalogging
- Data hold, Max/Min with Time stamp, Alarm, and Auto Power Off
- Easy calibration in fresh air

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Carbon Dioxide (CO ₂)	0 to 6,000 ppm	1 ppm	±3% of rdg or ±50 ppm, whichever is greater
Temperature	-4 to 140°F (-20 to 60°C)	0.1°F/°C	±0.9°F (±0.5°C)
Humidity	10 to 95%	0.1%	±3% RH @ 25°C
Dimensions/Weight	5.3x2.8x1.2" (135x72x31 mm)/8.2 oz (235 g)		

ORDERING

EA80 Indoor Air Quality CO₂ Meter/Datalogger

SD800 CO₂/Humidity/Temperature Datalogger



Includes sensor with 11.4" (290 mm) cable (wired to meter), 6 AAA batteries, SD memory card, Universal AC adaptor, and mounting bracket; 2-year warranty

CE

Records data on an SD card in Excel® format to transfer to a PC for analysis

- Checks for Carbon Dioxide (CO₂) concentrations
- Maintenance free dual wavelength NDIR (non-dispersive infrared) CO₂ sensor
- Triple LCD simultaneously displays CO₂, Temperature and Relative Humidity
- Selectable data sampling rate: 5, 10, 30, 60, 120, 300, 600 seconds or Auto

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Carbon Dioxide (CO ₂)	0 to 4,000 ppm	1 ppm	±40 ppm (<1000 ppm); ±5% rdg (>1000 ppm)
Temperature	32 to 122°F (0 to 50°C)	0.1°F/°C	±1.8°F/0.8°C
Humidity	10 to 90% RH	0.1% RH	±4% RH
Datalogging	Datalogs using 4 GB SD memory card (included)		
Dimensions/Weight	5.2x3.1x1.3" (132x80x32 mm)/9.9 oz (282 g)		

ORDERING

SD800 CO₂/Humidity/Temperature Datalogger

CO210 Desktop Indoor Air Quality CO₂ Monitor/Datalogger



CE

Measures Carbon Dioxide (CO₂), Air Temperature and Humidity with user adjustable high/low alarms and datalogs up to ~5k readings

- Checks for Carbon Dioxide (CO₂) concentrations (0 to 9,999 ppm) and displays Temperature (14 to 140°F/-10 to 60°C) and Relative Humidity (0.1 to 99.9%) readings
- Datalogs up to 5333 points for each parameter and can be downloaded to a PC using included Windows® compatible software and cable
- Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
- Indoor Air Quality displayed in ppm with Good, Normal, Poor indication
- Displays Year, Month, Date, and Time
- Max/Min CO₂ value recall function
- Auto Baseline Calibration (minimum CO₂ level over 7.5 days) or manual calibration in fresh air
- Dimensions/Weight: 4.6x4x4" (117x102x102 mm)/7.2 oz (204 g)
- Complete with Universal AC adaptor, PC software and cable; 2-year warranty

ORDERING

CO210	Desktop Indoor Air Quality CO ₂ Monitor/Datalogger
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CO220 Desktop Indoor Air Quality CO₂ Monitor



CE

User-adjustable visual/audible alarm and calculates Dew Point and Wet Bulb

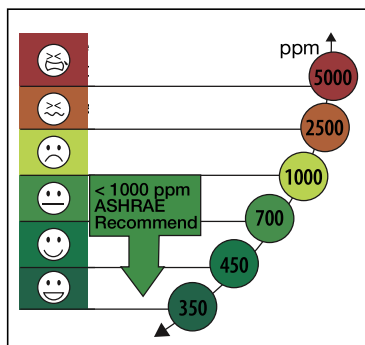
- Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
- Audible CO₂ warning alarm when concentration level exceeds high/low user set point
- Displays Year, Month, Date, and Time
- Min/Max CO₂ value recall function
- Manually store/recall 99 readings
- Calculates statistical weighted averages of TWA (8 hour Time Weighted Average) and STEL (15-minute Short Term Exposure Limit)
- lps% (Liters per second per person) and cfm/p (cubic feet per minute per person)
- Automatic Baseline Calibration function
- Includes Universal AC adaptor (UA100-240) and multiple plug types; 2-year warranty

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Carbon Dioxide (CO ₂)	0 to 9,999 ppm	1 ppm	±(5% rdg +50 ppm)
Temperature	14 to 140°F (-10 to 60°C)	0.1°F/°C	±1.0°F (0.6°C)
Humidity	0.1 to 99.9% RH	0.1% RH	±3% (10 to 90%) @25°C
Dew Point	-94 to 140°F (-70 to 60°C)	0.1°F/°C	
Wet Bulb	14 to 140°F (-10 to 60°C)	0.1°F/°C	
lps%	-1428 to 51 lps%*	1%	
cfm/p	-30 to 1 cmf/p*	1 cfm/p	
Dimensions/Weight	6.1x3.4x3.2" (155x87x81 mm)	5.8 oz (165 g)	

*Ranges are calculated from 0 to 1000ppm

ORDERING

CO220	Desktop Indoor Air Quality CO ₂ Monitor
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Six facial icons indicating CO₂ concentration level for indoor air quality.

CALIBRATION TRACEABLE TO NIST

CO100 Desktop Indoor Air Quality CO₂ Monitor



CE

Measures Carbon Dioxide (CO₂), Air Temperature and Humidity with user-adjustable visual and audible alarm

- Checks for Carbon Dioxide (CO₂) concentrations (0 to 9,999 ppm) and displays Temperature (14 to 140°F/-10 to 60°C) and Relative Humidity (0.1 to 99.9%) readings
- Maintenance free NDIR (non-dispersive infrared) CO₂ sensor
- Indoor Air Quality displayed in ppm with Good (0 to 800 ppm), Normal (800 to 1200 ppm), Poor (>1200 ppm) indication
- Visible and Audible CO₂ warning alarm
- Displays Year, Month, Date, and Time
- Max/Min CO₂ value recall function
- Complete with Universal AC adaptor; 2-year warranty

ORDERING

CO100	Desktop Indoor Air Quality CO ₂ Monitor
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CO10 Carbon Monoxide (CO) Meter



www.extech.com/video



CE

Check CO level in all environments up to 1000 ppm

- Ergonomic pocket size housing
- One-button operation
- Utilizes a stabilized electrochemical gas specific (CO) fast response sensor
- Easy to read 1999 count backlit displays CO levels from 0 to 1000 ppm
- 1 ppm resolution; ±5% or ±10 ppm basic accuracy (whichever is greater)
- Audible alarm starting at 35 ppm with continuous beeping when above 200 ppm
- Memory stores 10 readings
- Backlight for low light conditions
- Max Hold and Data hold buttons
- Auto Power Off
- Dimensions/Weight: 6.3x2.2x1.57" (160x56x40 mm)/6.35 oz (180 g)
- 2-year warranty
- Complete with 9 V battery, protective rubber holster, and carrying case

ORDERING

CO10	Carbon Monoxide Meter
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VFM200 VOC/Formaldehyde (CH₂O or HCHO) Meter



CE

Measures VOC (Volatile Organic Compound) and Formaldehyde concentrations in real-time

- Backlit LCD displays TVOC (Total Volatile Organic Compound) and HCHO (Formaldehyde) concentrations simultaneously in real-time
- Built-in fast response, high accuracy fuel cell Formaldehyde sensor
- Adjustable audible and visible high/low alarms; Auto Power Off
- Complete with rechargeable battery and Universal AC Adaptor/Charger (multi-plugs US, EU, UK, and AU); 2-year warranty

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
TVOC	0.00 to 9.99 ppm (mg/m ³)	0.01 ppm (mg/m ³)	±5% FS
Formaldehyde (CH ₂ O or HCHO)	0.00 to 5.00 ppm (mg/m ³)	0.01 ppm (mg/m ³)	±5% FS
Response Time	<2 s		
Power Supply	Rechargeable battery and AC adaptor		
Charge Time	~3 hours		
Dimensions/Weight	6.5x2.4x1" (165x60x25 mm)/1.3 lbs (584 g)		

ORDERING

VFM200	VOC/Formaldehyde Meter
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