



ADVANCED ENVIRONMENTAL INSTRUMENTATION



✓ Surveyed

✓ Documented

✓ Reported

## Features and Benefits:

- Measures airborne particles 0.3  $\mu\text{m}$  to 25.0  $\mu\text{m}$
- 0.1 CFM (2.83 LPM) flow rate driven by a high quality internal pump with flow control
- Long life laser diode technology for reliable performance
- Measures up to 6 particle sized channels simultaneously
- Calculates mass concentration in  $\mu\text{g}/\text{m}^3$  with density and refractive index corrections, including **PM2.5**, **PM10** and **TPM**
- Alternatively display/log particle counts
- Large easy-to-use icon driven color touch screen display
- Exceptional battery life (10+ hours continuous)
- Stores up to 45,000 records and 1,000 sample locations internally, far broader options when connected to AdvancedSense® or WIN/Android/iOS WolfMobile™ devices
- Annotation function allows user to save 32 character notations to a sample record
- Real-Time Meter for detecting particle contamination sources
- Connect using Serial Comms, Ethernet, USB or optional WolfRadio™ XM (WiFi 802.11 b/g/n, Bluetooth LE)
- Displays and externally prints reports for ISO 14644-1, EU GMP Annex I and FS 209E
- Internal audible and visual alarms
- Optional, direct-connect %RH, °F/°C probe available
- Complies with ISO 21501-4 and JIS B9921 standards
- Seamless integration into a facility monitoring system
- Lightweight high-impact injection molded plastic enclosure with handle for one-handed operation, 1/4"-20 female mount (for tripod, etc.), and built-in stand
- 2 year warranty on instrument, except filters, 1 year on other accessories



# PC-3500

Handheld Particle Meters

Use the PC-3500 as a stand-alone particle meter, plug it into a sophisticated AdvancedSense® system or into a Windows/iOS/Android device for simultaneous connection with GrayWolf's DirectSense® probes.

- Ideal for IAQ investigations, filter efficiency testing, green building certification, cleanroom monitoring, wildfire smoke infiltration surveys, and more.
- The PC-3500 Handheld Particle Meter measures 0.3  $\mu\text{m}$  to 25.0  $\mu\text{m}$  with a flow rate of 0.1 CFM (2.83 LPM) via a precision internal pump with flow control.
- The PC-3500 mass concentration mode calculates density in  $\mu\text{g}/\text{m}^3$  and allows for PM 0.5, PM 1.0, PM 2.5, PM 5.0, PM 10, and TPM simultaneously, plus optional °F/°C and %RH.
- The PC-3500 meters can be controlled and monitored remotely via web browser.
- Export data to (included) GrayWolf WolfSense® PC data-download software or view data and generate ISO 14644-1, EU GMP Annex I or FS 209E reports on screen or in real time through the versatile PC-3500 output options.
- The PC-3500 meets ISO 21501-4 and JIS B9921, ensuring compliance with an on-board pulse height analyzer.



**GRAYWOLF®**  
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# PC-3500

## Handheld Particle Meters

<b>Size Range</b>	0.3 to 25µm
<b>Size Channels</b>	Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm variable binning
<b>Flow rate</b>	0.1 CFM (2.83 LPM)
<b>Concentration Limit</b>	15,000,000 Particles/ft³ @ 10% coincidence loss (per ISO 21501-4) 30,000,000 Particles/ft³ @ 10% coincidence loss (as tested by mfr.)
<b>Aerosol Concentration Range</b>	0.01 to 20,000 µg/m³
<b>Battery Run Time</b>	10+ hours continuous operation, typical
<b>Light Source</b>	Long life laser diode
<b>Counting Efficiency</b>	50% @ 0.3 µm; 100% for particles >0.45 µm per JIS
<b>Zero Count</b>	<1 count / 60 minutes (<1 particles / 6 ft³), no fault count subtraction
<b>Count Modes</b>	Mass concentration (PM) or particles/second, real-time meter, cumulative/differential (count/m³ and count/ft³)
<b>Count Alarms</b>	1 to 9,999,999 counts
<b>Calibration</b>	NIST traceable
<b>Display</b>	4.3" (10.9 cm) WQVGA (480x272) color touch screen
<b>Vacuum Source</b>	Internal pump with automatic flow control
<b>Filtered Exhaust</b>	Internal HEPA filter
<b>Number of Channels</b>	6
<b>Custom Size Channels</b>	Calibration for custom size channels available
<b>Audible Alarm</b>	Adjustable integrated alarm
<b>Battery</b>	Removable Li-ion
<b>Battery Recharge Time</b>	4 hours within instrument (<2 hours with external battery charger)
<b>Reports</b>	ISO 14644-1, EU GMP Annex 1, FS 209E
<b>Communication Modes</b>	RS232, RS485, Ethernet and USB
<b>Optional Comms Mode</b>	WiFi 802.11 b/g/n, Bluetooth LE via WolfRadio-XM-3500
<b>Environmental Sensor</b>	Optional temperature and relative humidity probe 32° to 122°F ±1°F (0° to 50°C ±0.5°C), 15-90% ±2% relative humidity
<b>Alarm</b>	Alarms on counts for all particle sizes, low battery, sensor failure, and flow rate
<b>Standards</b>	ISO 21501-4 and JIS B9921
<b>Calibration</b>	Recommended minimum once per year
<b>External Surface</b>	High impact injection molded plastic
<b>Dimensions (L x W x H)</b>	5.12 x 4.25 x 12.25" (13 x 10.8 x 31.0 cm) includes handle but excludes probes
<b>Weight</b>	2.2 lb (1.0 kg)
<b>Included Accessories</b>	PCC-GW3500 hard-shell carrying case, quick start guide, operating manual on USB flash drive, isokinetic probe, purge filter, battery, belt clip, WolfSense PC data download software, USB cable, and power supply
<b>Optional Accessories</b>	PCC-35P security case, printed manual, TRH probe, AdvancedSense connection cable, spare battery, spare external battery charger, barbed fittings, and tubing
<b>Buffer Memory</b>	45,000 sample records (rotating buffer) including particle count data, environmental data, locations and timestamp. Scrollable on screen or post-download
<b>Sample Locations</b>	Up to 1,000 locations 20 characters long
<b>Sample Time</b>	1 second to 99 hours
<b>Power</b>	110 to 240 VAC 50/60 Hz universal in-line power supply
<b>Operating Conditions</b>	41° to 104°F (5° to 40°C) / 20% to 95% non-condensing
<b>Storage Conditions</b>	32° to 122°F (0° to 50°C) / Up to 98% non-condensing
<b>Warranty</b>	2 years limited warranty on instrument, 1 year on accessories, no warranty on filters

GrayWolf Sensing Solutions reserves the right to change specifications without notice.



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✓ MEASURE SMART

✓ REPORT EFFICIENTLY

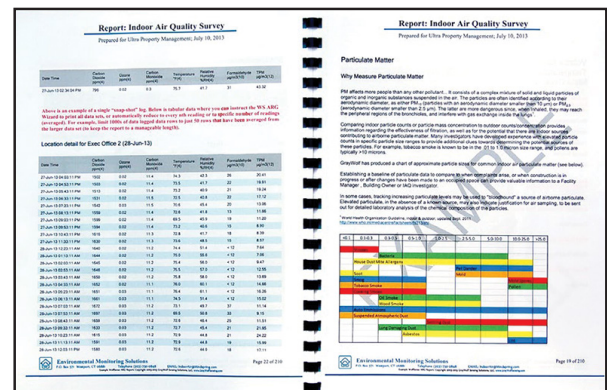


The PC-3500 can connect with GrayWolf's DirectSense® XM probes to AdvancedSense XM meters (as well as other platforms) to combine 6-channel particle readings with up to dozens of other parameters into a single displayed and data-logged file.



The optional WolfRadio-XM-3500 module enables Bluetooth and Wi-Fi PC-3500 connection to AdvancedSense, Android, iOS, and GrayWolfLive® Cloud platforms (only PM particle mode is available via WolfRadio at this time).

▶ Example  
WolfSense  
ARG report  
(optional  
automated  
report  
generation  
software)



**XEarPro s.r.l.**

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