PC-3016A
6-Channel Particle Counter

Features:

- View / Log 6 Particle Sizes Simultaneously
- 0.3 to 0.5µm, 0.5 to 1.0µm, 1.0 to 2.5µm, 2.5 to 5.0µm, 5.0 to 10.0µm, 10+ µm
- View / Log as differential or cumulative
- Alternatively display µg/m^3 in Concentration Mode including approximate PM2.5, PM10, TSP
- 0.1 CFM (2.8 LPM) Flow Rate
- Color Touch Screen Interface
- Removable / Rechargeable Li-Ion Battery
- Optional Temperature / Relative Humidity Probe
- Internal Audible Alarm
- 2-Year Warranty
- Belt clip for walk-thru surveys or attachment to Tripods or to GrayWolf Area Monitors
- On-board Memory (stores 3,000 samples)
- Supplied with GrayWolf's WolfSense® PC Software for data download and analysis
- Optional WolfSense ARG Automated Report Generation Software
- Use as a stand-alone or interface to GrayWolf's AdvancedSense®, DirectSense® and WolfPack® for Enhanced Logging and Expanded Features

Benefits:

- Easy to Use (User-Friendly Interface)
- Expands your GrayWolf AdvancedSense, DirectSense and WolfPack parameters
- Low Cost of Ownership
- **Efficiently Combines Particle Counting and Mass Concentration read-out in one Meter**

Use the PC-3016A as a stand-alone particle counter, plug it into a mobile computer or into a sophisticated WolfPack/AdvancedSense system for simultaneous connection with GrayWolf's DirectSense probes.

- Ergonomically designed and lightweight, the PC-3016A is the most advanced handheld particle counter on the market.

- Easily download data from the PC-3016A using the included WolfSense PC Software to create high quality trend/bar graphs/tables, use WolfSense's advanced organizational features or simply export to Microsoft Excel®.

- Optionally add Advanced Report Generator software for extremely efficient, automated reporting of particle count/concentration data.

- Offering 6 channels of simultaneous particle counting, the PC-3016A displays both cumulative and differential particle count data on its easy-to-read 3.5" (8.9 cm) color touch screen.

- Alternate displayed/logged readings from particle counts to approximate mass concentration (µg/m^3).

- Monitor particulate levels, even in those "hard-to-reach" areas where two-handed operation is unsafe.

PC-3016A

6-channel Particle Counter

☑ **Measure Smart**   ☑ **Report Efficiently**

Specifications: PC-3016A

Size Range: 0.3 - 10.0 µm+ (145 µm max into inlet)

Channel Sizes: 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm

   Optional: inquire about other size cuts (Particle Count only)

Flow Rate: 0.1 CFM (2.83 LPM)

Counting Efficiency: 50% @ 0.3 µm; 100% for Particles >0.45 µm (per ISO 21501-4)

Laser Source: Extreme Life Laser Diode with >20 Years MTTF

Zero Count Level: <1 Count / 5 minutes (per ISO 21501-4)

Concentration Limits: 4,000,000 Particles / ft^3 @ 5% Coincidence Loss

Calibration: Meets ISO 21501-4 Calibration using NIST Traceable PSL Spheres, DMA and Condensation Particle Counter

Count Modes: Automatic, Manual, Beep, Concentration, Cumulative/Differential, Mass Concentration

Data Storage (on-board): 3,000 Sample Records, Rotating Buffer (includes particle and environmental data, plus alphanumeric location and time)

Communication Modes: RS232 converted to USB (via included RJ-45 to USB cable) for PCs or Printers. RS232 to AdvancedSense, WolfPack or PPC w/GrayWolf cable/software.

Touch Screen Display: 3.5" (8.89cm, Color TFT)

Alarms: Internal Alarm Buzzer. Alarms on Counts, Low Battery, Sensor Failure

Sample Inlet: Isokinetic Sampling Probe

Sample Output: Internally Filtered to HEPA Standards (>99.97% @ 0.3µm)

Vacuum Source: Internal Pump, Automatic Flow Control

Enclosure: High Impact Injection Molded Plastic (with handle)

Power: External 100-240V, 50-60Hz Power Supply (12VDC, 1.25A)

Battery: Li-Ion, Removable & Rechargeable

Dimensions: 8.75" x 5.0" x 2.5" (22.23 x 12.7 x 6.35 cm)

Weight: 2.2lb (1kg)

Languages: English (U.S.), Deutsch, Español, François, Italiano

Environmental Conditions:

Operating: 50°F to 104°F (10°C to 40°C) / 20% RH to 95% RH non-condensing

Storage: 14°F to 122°F (-10°C to 50°C) / Up to 98% RH non-condensing

Accessories Included:

Operating manual on CD, Removable battery, Isokinetic Sample Probe (direct mount), Purge (zeroing) Filter, 100/240V AC charger/adapter, Belt Clip, WolfSense PC Data Analysis Software.

Options:

PC-GW6AAS-KIT also includes hardshell carrying case, interface cable for interface to AdvancedSense (specify **PC-GW6AWP-KIT** for WolfPack).

PC-GW6-RHCF Temperature/Relative Humidity Probe 32-122ºF (0-50ºC), ± 1ºF (0.5ºC), 15-90% ± 2% RH

WolfSense ARG Advanced Reporting Software

PCC-GW6 Hardshell case. Dimensions: 38.1cm x 33.0cm x 17.8cm (15" x 13" x 7")

AD-3016-L7 Cable for interfacing PC-3016A to AdvancedSense Meter

AD-3016-L6P Cable for for interfacing PC-3016A to WolfPack (includes power socket for powering PC-3016A from the WolfPack)

WS-LAP WolfSense application for WIN XP/7/8 Tablet/Laptop PC (interface via included USB cable)

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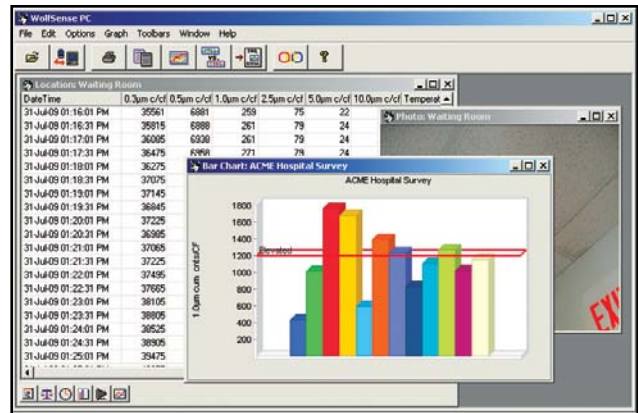

◀ Optional PC-GW6-RHCF %RH, °F/°C probe (removable)
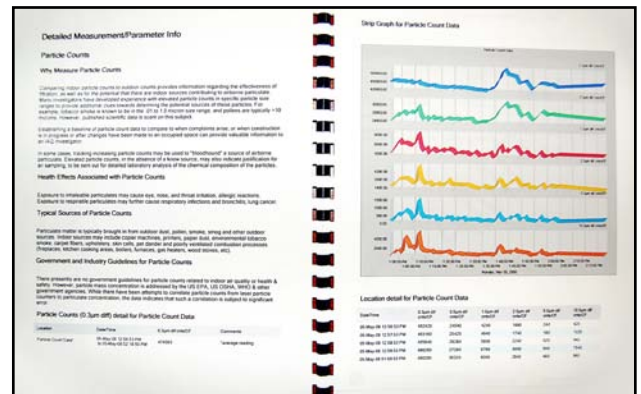

◀ PCC-GW6 Hard-Shell Case

Example ▲ AdvancedSense Screen
(interface enables GrayWolf's powerful in-situ features for particulate data, optional remote WiFi access)

◀ Example WolfSense PC Screen data transfer & analysis software (supplied as standard)

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

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