



Features Comparison

(Wolfsense Version 2.03)

GrayWolf
DirectSense
IAQ PPC

GrayWolf
DirectSense
IAQ LAP

Ease-of-Use

	GrayWolf DirectSense IAQ PPC	GrayWolf DirectSense IAQ LAP
Instrument Uses MS Windows™ Operating System and Text Dialog boxes	YES	YES
On-Screen Measurement Tips, Government Guidelines for each Parameter	YES	YES
On-Screen Help Files	YES	YES
One click access to Application Related Documents (.pdf, Word, Excel, HTML, etc). GrayWolf preloads several (such as USEPA's "Building Air Quality"), and you may load your own.	YES	YES
On-Screen Product Manual	YES	YES
Extremely Intuitive User Interface	YES	YES
On-Line Interactive Training available	YES	YES

Display

	GrayWolf DirectSense IAQ PPC	GrayWolf DirectSense IAQ LAP
Maximum Parameters Displayed Simultaneously	11	15
Color Display	YES	YES
Backlit Display	YES	YES
Tactile Screen	YES	OPTIONAL
Instant On/Instant Off Display	YES	NO
Selectable Screen Fonts	NO	YES
Real-time Graphing on Instrument Display	NO	YES
Generate Graphs on-Screen from Logged Files	YES	YES

Logging/Annotation

	GrayWolf DirectSense IAQ PPC	GrayWolf DirectSense IAQ LAP
Maximum Number of Parameters Monitored/Logged Simultaneously	15	15
"10 Main St\Building 6\Ground Floor\Storage Room" data file name & organization format	YES ¹	YES
Text Files Automatically Link to Data Files	YES	YES
Graphic files (Hand Drawn Sketches, etc) Automatically Link to Data Files	YES	YES
Audio Files Automatically Link to Data Files	YES	YES
MS Word™ Report Templates Automatically Link to Data Files (numerous example IAQ report templates are included; edit or add your own)	YES	YES
Stores Factory, NIST and User Calibration History	YES	YES
GrayWolf Probe Calibration History Automatically Links to Each Data File	YES	YES
Log File Statistics (Min/Max/Avg) Display and Link to Data Files	YES	YES
Digital Photo File Links to Data File (Requires Advanced Annotation Software Module, and a PDA w/camera accessory. Multiple images available Q105)	OPTIONAL	OPTIONAL
Event Notes; time stamped text notes, which are automatically displayed within graphs when graphs are created from data. (Req's Advanced Annotation Software Module)	OPTIONAL	OPTIONAL

¹ 256 characters maximum.

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Custom Notes allows manual linking of any PDA files (Pocket CAD, Maps, GPS coordinates, etc) to location/data files. Desktop PC files (photos, etc) may also be linked after data has been downloaded from PDA to Desktop PC (Req's Advanced Annotation Software)	OPTIONAL	OPTIONAL
Displays Log History (Last 4+ Readings) While Logging	YES	YES ¹
Entire Log File May be Reviewed without Interrupting Log Session	YES	YES
Min/Max/Average of Real-time Measurements May be Displayed	YES	YES
Min/Max/Average of Logged Files May be Displayed	YES	YES
Timed / Continuous Logging Stores Averaged Values (user selected averaging period, averaging over full log interval, or instantaneous capture)	YES	YES
Programmable Start / Stop Log Times ²	YES	YES
Snapshot / Discrete Logging Stores Averaged Values (user selected averaging period, or instantaneous)	YES	YES
Averages Manually Input Data Points	YES	YES
Standard Memory (Sets of Readings) in Timed / Trend Log Mode	1,000,000+	1,000,000+
Standard Memory (Sets of Readings) in Snapshot (aka "sample", "discrete") Log Mode	1,000,000+	1,000,000+
Power Save Log Mode (up to 7 days of 30 minute interval logging on a fully charged PPC battery, up to 21 days with the PCC-20B case with extended life battery)	YES	NO
Audit Mode for secure 21 CFR part 11 compliance (Req's Advanced Annotation Software Module)	OPTIONAL	OPTIONAL

Reporting

WolfSense PC Software Provided for Data Analysis on Desktop PC	YES	YES
Generate Multi-Parameter Graphs, Display/Print Tabular Data, Easily export Data to Excel	YES	YES
3D Graphs, Grid Lines, Overlay Graphs with different time lines	Q205	Q205
Associated Notes are Easily Opened and Copied for Inclusion in Reports	YES	YES
Reporting Template allows Text, Graphic, Calibration Notes, Govt & Industry Guidelines, etc to auto incorporate, (Req's Advanced Reporting Software Module)	Q205 OPTIONAL	Q205 OPTIONAL
Desktop PC Software allows files (Photo, Excel, other Monitor's Data, etc.) to be associated <i>after</i> data has been downloaded (req's Advanced Links Software Module).	Optional	Optional
Instrument can Output Logged Data, & Pocket Word/Excel files directly to an 8.5"x 11" Printer	YES	YES
Instrument can Output Data Directly to a 2.5" belt-clip Printer	YES	NO

¹ 12+ sets of readings display, more on larger screens

² Not available to work with 3rd party sensors (MIE, ARTI, CEL, etc)
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Parameters

Parameters	GrayWolf DirectSense IAQ PPC	GrayWolf DirectSense IAQ LAP
Carbon Dioxide (CO ₂)	YES	YES
Carbon Monoxide (CO)	YES	YES
Temperature	YES	YES
Relative Humidity	YES	YES
Dewpoint Temperature	YES	YES
Wetbulb Temperature	YES	YES
Absolute Humidity	YES	YES
Humidity Ratio	YES	YES
Specific Humidity	YES	YES
Hotwire Airspeed	OPTIONAL	OPTIONAL
Basic Volume Flow (CFM, l/s)	OPTIONAL	OPTIONAL
Duct Volume Airflow Calculation Software (DuctCal)	OPTIONAL	OPTIONAL
Fumehood Face Velocity Software (HoodCal)	OPTIONAL	OPTIONAL
Equilibrium Tracer Ventilation Calculation (VentCal)	OPTIONAL	OPTIONAL
Tracer Decay Ventilation Calculation (VentCal)	OPTIONAL	OPTIONAL
Air Ratio Ventilation Calculation (VentCal)	OPTIONAL	OPTIONAL
Outdoor Air Per Occupant (or per sq ft or m3)	OPTIONAL	OPTIONAL
Air Changes Per Hour	OPTIONAL	OPTIONAL
TVOCs (ppb level)	OPTIONAL	OPTIONAL
TVOCs (ppm level)	OPTIONAL	OPTIONAL
Sulfur Dioxide (SO ₂)	OPTIONAL	OPTIONAL
Nitrogen Dioxide (NO ₂)	OPTIONAL	OPTIONAL
Nitric Oxide (NO)	OPTIONAL	OPTIONAL
Hydrogen Sulfide (H ₂ S)	OPTIONAL	OPTIONAL
Hydrogen Cyanide	OPTIONAL	OPTIONAL
Hydrogen Chloride (HCl)	OPTIONAL	OPTIONAL
Chlorine (Cl ₂)	OPTIONAL	OPTIONAL
Ammonia (NH ₃)	OPTIONAL	OPTIONAL
Ethylene Oxide (CH ₂ CH ₂ O)	OPTIONAL	OPTIONAL
Ozone (O ₃)	OPTIONAL	OPTIONAL
Oxygen (O ₂)	OPTIONAL	OPTIONAL
Differential Pressure	OPTIONAL	OPTIONAL
Particulate Concentration	OPTIONAL ¹	OPTIONAL ¹

¹ MIE Personal DataRam (also available with 2.5µg size limiting cyclone)

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	GrayWolf DirectSense IAQ PPC	GrayWolf DirectSense IAQ LAP
Particle Counts	OPTIONAL ¹	OPTIONAL ²
Sound Level	OPTIONAL	OPTIONAL

Instrumentation/Mobile PC

Probes Are Interchangeable (between PocketPC's & Laptops)	YES ²	YES ⁴
Instrument Comes With Word, Excel, Contacts, Tasks, Calculator and other Microsoft Applications	YES	OPTIONAL
Keyboard	YES ³	YES
Handwriting Recognition	YES	OPTIONAL
Built -in Voice Recorder	YES	YES
Digital Camera Compatibility	YES	OPTIONAL
Compact Flash Card Slot	YES	OPTIONAL
Secure Digital Card Slot (note: data and notes write to inserted SD memory cards)	YES	NO
PC-MCIA Card Slot	NO	YES
Built in Modem for Direct Internet Downloads / Product Upgrades	OPTIONAL	YES
Infrared comms to printer or PC	YES	YES
Wireless (e.g. Bluetooth, WiFi) Compatibility	YES	YES

Accessories

Hands-Free Operational Soft Case / Pouch	YES	NO ⁴
Optional Hardshell Security Case Secures Instrument and Probe during Field Monitor Operation	YES	YES
Optional Hardshell Case may be used as a Shippable Enclosure	YES	YES
Optional Probe Tripod (allows positioning of sensors in "occupied zone")	YES	YES
Optional Mounting Hardware attaches mobile PC to Tripod	YES	NO
Extended Life Rechargeable Batteries	OPTIONAL	OPTIONAL
Bar-Coding Initiates Data / Location Files with Barcode kit (PPCs w/barcoding built in also available)	OPTIONAL	OPTIONAL
Free .pdf Reader Available to View Industry, Government Documents, etc.	YES ⁵	YES
3 rd Party HVAC, IH, Facility Mgmt & other application software	OPTIONAL	OPTIONAL

¹ ARTI/MetOne 6 Channel (size ranged) units

² Additional copies of WolfSense software are required to operate additional mobile computers

³ A virtual keyboard is standard on PPCs. Optional folding keyboards and (Intermec) PPCs with built-in keyboards are also available.

⁴ Pouch and soft case are supplied, but the system is not hands-free.

⁵ Ansys trial version comes loaded, plus (for PPCs only) a link to free Adobe Acrobat PDF reader
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