

ADVANCEDSENSE DIRECTSENSE Indor Air Quality Meters/Monitors



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GrayWolf is transforming the way that environmental measurements are taken. GrayWolf's IAQ kits harness leading edge sensor technology with the power and performance of mobile computing. Efficiently display, document, access educational info (on-site) and report on IAQ parameters.

- An essential component of any professional IAQ program
- Organizes ALL survey info; data, text, calibration history and more...
- Measure VOCs, CO2, CO, O3, NO2, HCHO, %RH, Dewpoint, Temperature and more... accurate and fast. Industry leading CO2 accuracy at +/- 35ppm over the IAQ range
- Plus Particulate (PM2.5, PM10, TSP+), other Gases (e.g. NH3, Cl2, H2S), Differential Pressure, Airspeed & more... all simultaneously
- WolfSense[®] PC desktop software is included for data review, graph creation, cut & paste report generation
- Optional Advanced Report Generator software for automated, ultra-efficient, detailed IAQ reports
- Tap the screen for educational info: sensor tips, on-board help videos, IAQ documents and guidelines
- Intuitive and extremely Easy-To-Use

Choose Your Platform:

AdvancedSense[®] Purpose-built GrayWolf Meters



GrayWolf Supplied Windows Tablets (or use your own WIN tab/laptop/PC)



Apple iOS and Android Devices (use your own or GrayWolf supplied)

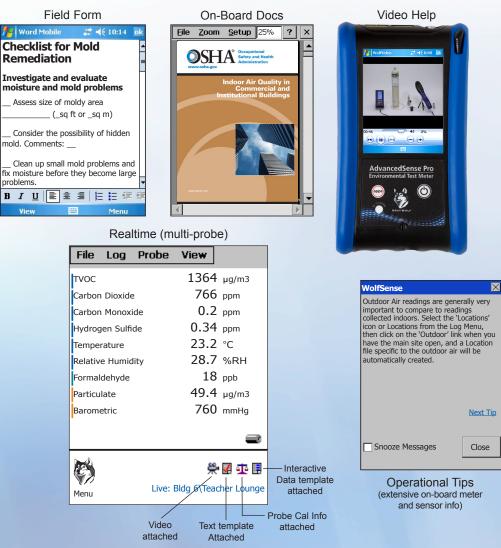


GrayWolfLive[™] Cloud App



Remote Data Access via Wi-Fi direct to DirectSense II probes, WolfRadio XM enabled Particle/DP meters and more via optional GrayWolfLive

Example AdvancedSense Screens

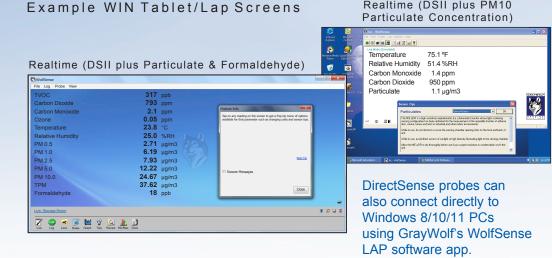


Display measurements in realtime. Access "sensor tips", IAQ documents and guidelines on-screen. Store "snapshot" readings. "Trend" log over hours/days/ weeks/months/years. Document each measurement location with text, graphic, even audio notes. Also attach photos, videos, IR images, time-stamped event notes, calibration history and other info to data files.

 Optimize the balance between ventilation energy efficiency and occupant performance, health and wellness.

Realtime (DSII plus PM10

- · Easily establish baseline data & respond immediately to complaints
- Test conditions before and after building modifications
- Validate low-cost continuous monitors in-situ
- Track down (bloodhound) pollutant sources



Notate Organize Display Data-Log Download Report

TVOCs Carbon Dioxide Carbon Monoxide Relative Humidity Temperature + up to 3 more gases

Highly accurate, extremely fast response sensors. Perfect for walk-through surveys, rapid response to complaints, quick outdoor air comparisons, for longterm IAQ trending and for continuous monitoring (on-board and/or via WiFi).

Track VOCs over time, rapidly bloodhound VOC sources or determine optimum locations and times to take air samples for VOC speciation via lab analysis.

DSII-8

Choose the sensors that you need for IAQ applications, up to 8 total (5 for the DSII-5). Typically TVOCs, CO_2 , CO, %RH and C°/F°. Add O_3 , NO_2 and/or other parameters, choosing from:

Ozone Nitrogen Dioxide Formaldehyde Nitric Oxide Ammonia Chlorine Hydrogen Sulfide Sulfur Dioxide Oxygen And even toxic gases such as: CH_2O , HCN, HCl, H_2 , EtO, Si H_4 , As H_3 , ClO₂, HF, F₂ and more...



ZEPHYR-LDP Differential Pressure Module (option for barometric pressure and wireless connection via WolfRadio XM)

Interface these meters to GrayWolf platforms; and/or use as stand-alones



PC-3016A 6-Channel Particle Meter (optional WolfRadio[™] XM to transmit data directly to the cloud, iOS or Android)

AS-202A

Air Velocity probe telescoping with 90° articulating tip and laser etched cm & inch scales (now available with WolfRadio XM option) PM-601 Particulate Concentration

Expand your GrayWolf system as your measurement needs grow and as industry and legislative requirements change.





Indoor Air Quality Meters

SPECIFICATIONS: DSII-3/5/7*, DSII-8*

*DSII SENSORS CAN BE MIXED AND MATCHED TO BEST SUIT YOUR APPLICATION; TRH + up to 6 SENSORS (8 total) for DSII-8, TRH + 5 (excepting CO2) for DSII-7, TRH +3 for DSII-5, TRH + 1 for DSII-3

Carbon Monoxide: (electrochemical)	Range: 0 to 500ppm
	Accuracy: ±2%rdg ±1ppm
Carbon Dioxide: (NDIR)	Range: 0 to 10,000ppm
DSII Accuracy: ± 35ppm over the IA	AQ range (350ppm-2000ppm) ± 35ppm ±3%rdg >2000ppm
VOCs: (PID)	Range: 0 to 20,000ppb
(user selectable units: ppb, ppm, μg/m3, mg/m3) Resolution: 1ppb, L.O.D. <5ppb 10.6 eV PIDs do not respond to VOCs with ionization potentials >10.6,	
such as ethane, methane or formalde to the vast majority of VOCs of cond is to Isobutylene. 3 higher	hyde. However, they do respond
Relative Humidity: (capacitive)	Range: 0 to 100 %RH
Accuracy: ±2%RH <80%RH (±3%RH>80%RH)	
Temperature: (Pt100) Range: -	10° to 160°F (-25° to +70°C)
	Accuracy: ±0.3°C
Response Time (for all above sensor	rs): 90% response <1 minute
DSII Probe Dimensions**: 3.3"(83mm)W x 2.2"(55mm)H x 11.6"(295mm)L	
Weight (probe):	without sensors 1lb. (0.46kg)
**Refer to DirectSense II brochure https://graywolfsensing.com/brochures/GrayWolf-DSII-Probe-Brochure.pdf	
for DSII charging cradle/desk-stand/wall-mount dimensions, rechargeable Li-lon battery life and additional specifications.	
Operating Range	
PID (VOC) sensors:	0 to 90%RH, -15 to 60°C
Probe & other sensors: 0 to 98%	%RH (non-condensing), -15 to 60°C

WolfSense PC Software Requirements: Windows 8/10/11

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE

- Refer to <u>https://graywolfsensing.com/brochures/DSII-TOX-Brochure.pdf</u> for specifications on additional available sensors.
- AdvancedSense IAQ kits include an AdvancedSense meter. DirectSense IAQ TAB kits include a WIN10 tablet PC (or substitute a rugged Android device). These complete kits also come with probe, WolfSense PC desktop data transfer software, hardshell security case, and more. Contact GrayWolf for details.
- Alternative carry cases and other accessories are also available from GrayWolf. View them on our website at: GrayWolfSensing.com/Accessories



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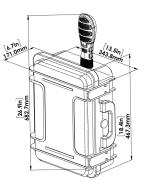
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∕ Measure Smart

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PCC-25

Security

Case for 2 x DSII probes

plus choice

of platform.

Alternatively,

PCC-35 for 1 x DSII, 1 x Particle Meter (internal while logging) plus choice of platform.









PCC-20 DSII Security Case ▲ (shown above w/optional ACC-BRK1 brackets for external particle meters)

ACC-TPDL-KIT includes tripod and mounts for various meters/ probes, plus nylon carrying pouch ▼



CA-HD4-A1 Gas Calibration Cap for DSII Probes

◀

ACC-BELTCL-2DSII Optional rigid belt-clip assembly for DSII probes (bottom) or swiveling, snap-detach ACC-BELTCL-3DSII belt-clip (top).

