

Advanced Environmental Instrumentation

With the right sensors for the application



✓ Surveyed

✓ Documented

✓ Reported



Choice of Platforms



User Swappable Smart Sensors



| Parameter | Reading |
|-------------------|----------------------|
| TVOC | 994µg/m ³ |
| Carbon Dioxide | 469ppm |
| Carbon Monoxide | 1.1ppm |
| Ozone | 0.04ppm |
| Temperature | 22.3°C |
| Relative Humidity | 39.5%RH |
| Ammonia | 0.8ppm |
| Hydrogen Sulfide | 0.35ppm |

AdvancedSense Pro
Environmental Test Meter



Charging Stand/
Wall-Mount

DIRECTSENSE® II

Advanced Environmental Probes



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For 20 years, GrayWolf has been transforming the way that environmental measurements are taken. And now we have acted on the feedback from our many worldwide IAQ, HVAC, IH and Green Building customers to introduce a range of very *smart* probes with highly advanced features.

- Up to eight (8) sensors per probe.
- Sensors are plug-and-play, easily swapped by the user. Calibration and other info is stored on each sensor.
- 25+ available sensors; TVOCs, CO₂, %RH, °C/°F, CO, O₃, NO₂, NH₃, O₂, H₂S, NO, SO₂, Cl₂, HCN, HF, HCl, H₂, ClO₂ and many other parameters.
- Connect to GrayWolf AdvancedSense meters or to Windows tablets/laptops **via cable or via Bluetooth wireless** (included as standard); *your* choice.
- Connect one probe, two... up to four probes simultaneously.
- Internal fan increases sensor response and eliminates sensor generated heat.
- Rechargeable (or powered via meter/tablet). Charging cradle also operates as a wall-mount bracket or stand.
- Alternatively mount on included mini-tripod.
- Highly intuitive and extremely Easy-To-Use.





DIRECTSENSE® II

Advanced Environmental Probes

SPECIFICATIONS:

| | |
|-------------------------|--|
| General: | |
| Dimensions: | Probe: 83mm (3.3in.) w. x 295mm (11.6in.) h. x 55mm (2.2in) d. Cradle: 93mm (3.7in.) w. x 80mm (3.2in.) h. x 93mm (3.7in) d. |
| Construction: | Probe: Rugged polycarbonate plastic with rubberized handle grip. Cradle: Rugged polycarbonate plastic. |
| Weight: | Probe: not including sensors which are ~10 gr each; 460gr (1lb) Cradle: not including AC adapter; 180 gr (6.4 oz.) |
| Wireless: | Bluetooth for connection to AdvancedSense Pro or to Windows tablet, standard. |
| Mounting: | ¼" - 20 tpi brass thread for belt clip, etc. (& for included mini tripod/stand). Also M3 brass thread for security thumb-screw. |
| Operating Range: | -10°C to 50°C (15°F to 122°F), 0 to 100 %RH non-condensing (certain specific sensors have a more limited range). |

| | |
|--------------------|--|
| Connectors: | |
| Probe: | 1 x 10 pin Lemo socket for cable connection to AdvancedSense meter or tablet/laptop. |
| Cradle: | 1 x 10 pin Lemo socket and 1 x 2.1mm 12VDC power socket. |

| | |
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| Power: | |
| Battery: | 6600 mAh Lithium Ion rechargeable |
| Battery Life: | 35+ hours typical with PID & NDIR sensors installed, fan on. 80+ hours w/o PID, NDIR. Significantly longer with fan off. |
| Recharge time: | 3 hours typical (in cradle). Probes may be continuously powered from meter/tablet/PC, but will not recharge. Red/green front cradle LED displays charging/fully charged status. |
| Power supply: | 100/240VAC, 50-60Hz external charger. Specify local plug. |

| Model | Basic Description |
|------------|--|
| DSII-8 | DirectSense II probe with smart °C/°F, %RH sensors and 6 available sockets for smart PID, NDIR or EC sensors. Built-in fan, Bluetooth. |
| DSII-8-KIT | DSII-8 eight sensor probe*. The KIT also includes charging cradle, AC adapter, 1m connection cable, mini-tripod and belt clip. |
| DSII-5 | DirectSense II probe with smart °C/°F, %RH sensors and 3 available sockets for smart PID, NDIR or EC sensors. Built-in fan, Bluetooth |
| DSII-5-KIT | DSII-5 five sensor probe*. The KIT also includes charging cradle, AC adapter, 1m connection cable, mini-tripod and belt clip. |
| DSII-3 | DirectSense II probe with smart °C/°F, %RH sensors and 1 available socket for smart PID, NDIR or EC sensor. Built-in fan, Bluetooth |
| DSII-3-KIT | DSII-3 three sensor probe*. The KIT also includes charging cradle, AC adapter, 1m connection cable, mini-tripod and belt clip. |

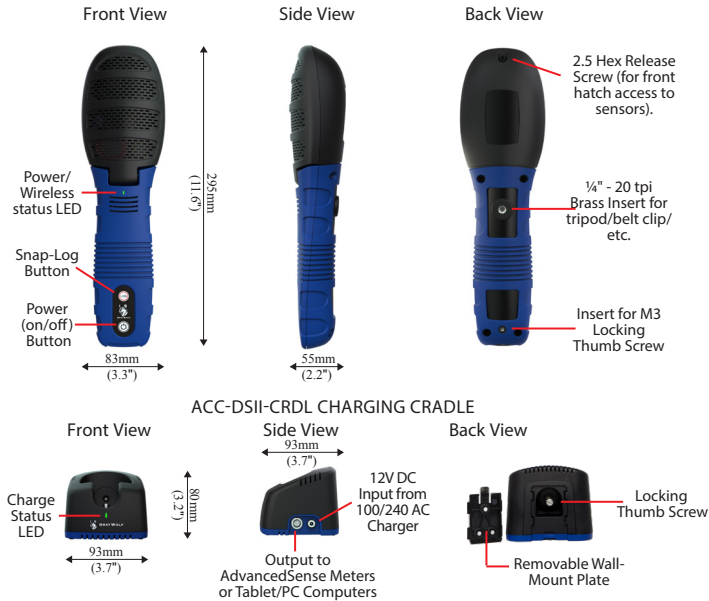
*Includes smart °C/°F, %RH sensors, but additional sensors are optional

Accessories

| | |
|-----------------|--|
| ACC-DSII-FLANGE | Flange and bracket to secure DSII probes into ducts, test chambers, etc. |
| ACC-FIL6-DSII | Temporary filters to protect DSII probe sensors in dusty/dirty environments |
| AD-DSIIL8-1M | 1m cable for DirectSense II probes to connect to AdvancedSense meters |
| AD-DSIIUSB-1M | 1m cable for DirectSense II probes to connect to Tablets/Laptops/PCs |
| CA-HD3-DSII | Gas Calibration Hood with top inlet, for DirectSense II probes |
| CA-HD4-A1 | A1 series smart sensor (DirectSense II) calibration cap. |
| CA-HD5-B1 | B1 series smart sensor (DirectSense II) calibration cap. |
| PCC-20A/T | Hard-shell Security case with foam cutouts for AdvancedSense or tablet and sensor exposure for 1x DSII probe. |
| PCC-25A/T | Hard-shell Security case with foam cutouts for AdvancedSense or tablet and sensor exposure for 2x DSII probes. |
| PCC-25PA/T | Hard-shell Security case with foam cutouts for AdvancedSense or tablet and sensor exposure for 1x DSII probe plus a particulate meter. |

Measure Smart

Report Efficiently



25+ Available Plug-and-Play Sensors:

TVOCs (5 PID ranges), CO₂ (NDIR), Electrochemicals; O₃, CO, NO₂, NH₃, Cl₂, SO₂, O₂, NO, H₂S, HCl, HCN, H₂, plus exotics; ASH₃, ClO₂, B₂H₄, F₂, C₂H₄O, F₂, HF, COCl₂, PH₃, SiH₄. And more coming. Some are available as B series (1 max. per probe). Sensor specifications are detailed on a separate data sheet. Also, an included °C/°F + %RH combo sensor (Pt100 and capacitive).



▲ **PCC-20/25** Hard-shell security cases hold AdvancedSense or tablet, (1 or 2) extended probes (or PC-3000 series particulate meter) for locked, secure trend monitoring.



◀ **AD-DSIIL8-1M**
1 meter cable, included, connects to AdvancedSense meters.
AD-DSIIUSB-1M
USB-A version for tablets/laptops.

CA-HD3-DSII ▶ calibration hood and **CA-HD4-A1** cal cap (below).



▲ Belt clips (included) accommodate hands-free surveys for 1 or multiple probes.

