

Probes

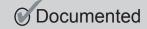
Environmental

Advanced

Advanced Environmental Instrumentation

With the right sensors for the application

Surveyed





Choice of Platforms

User Swappable Smart Sensors



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 patented* smart probes with highly advanced features.

- Up to eight (8) sensors per probe; %RH, temperature plus up to six gas sensors.
- Sensors are plug-and-play, easily swapped by the user.
 Calibration and other info is stored on each sensor.
- 25+ available sensors; TVOCs, CO₂, CO, O₃, NO₂, NH₃, O₂, H₂S, NO, SO₂, Cl₂, HCN, HF, HCl, H₂, F₂, ClO₂, EtO and other parameters.
- Connect to GrayWolf AdvancedSense meters or to Windows tablets/laptops;
 via cable or Bluetooth wireless. Your choice (both included as standard).

- Connect one or multiple probes simultaneously.
- Optional WiFi built into the probe enables direct connection to remote devices: smart phones, etc. (w/o needing a local AdvS/tablet) via the GrayWolfLive® Cloud app.



- Internal fan increases sensor response and eliminates sensor generated heat.
- Rechargeable (or powered via meter/ tablet). Charging cradle also operates as a stand or wall-mount fixture.



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DIRECTSENSE® II

Advanced Environmental Probes

SPECIFICATIONS:

General:

Wireless:

Construction:

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. Probe: Rugged polycarbonate plastic with rubberized handle grip.

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Cradle: Rugged polycarbonate plastic.

Weight: Probe: not including sensors which are ~10 gr each; 460gr (IIb)

Cradle: not including AC adapter; 180 gr (6.4 oz.)

Bluetooth for connection to AdvancedSense Pro or to Windows tablet, standard. Optional IEEE 802.11 b/g/n Wi-Fi Module to directly relay probe readings to Cloud.

Mounting: \(\frac{1}{4}\'' - 20 \) 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: I \times 10 pin Lemo socket for cable connection to AdvancedSense meter or tablet/laptop. Cradle: I \times 10 pin Lemo socket and I \times 2.1mm I2VDC power socket.

Power:

Recharge time:

Power supply:

Battery: 6600 mAh Lithium Ion rechargeable

Battery Life: 12+ hours typical with PID & NDIR sensors installed, no wireless.

36+ hours w/o PID, NDIR. Bluetooth ON reduces battery life ~20%. 3 hours typical (in cradle). Probes may be continuously powered from meter/

tablet/PC. Red/green front cradle LED displays charging/fully charged status.

100/240VAC, 50-60Hz external charger. Specify local plug.

All specifications are subject to change without further notice

| Model | Basic Description |
|---------------------------|--|
| DSII-3 | DirectSense II probe with smart $^{\circ}\text{C}/^{\circ}\text{F}, ^{\circ}\text{RH}$ sensors and I available socket for smart PID, NDIR or EC sensor.* |
| DSII-5 | DirectSense II probe with smart °C/°F, %RH sensors and 3 available sockets for smart PID, NDIR or EC sensors.* |
| DSII-8 | DirectSense II probe with smart °C/°F, %RH sensors and 6 available sockets for smart PID, NDIR or EC sensors.* |
| DSII-3/5/8-KIT | The kits include the relevant probe, charging cradle, AC adapter, I m connection cable, mini-tripod and belt clip. |
| *All DCII Bushes have a h | uile in fan Diversaak vuinelees ond one synalied vuitek a sanaan insantien tool and hey sanavuduiven |

| DSII-3/5/8-K11 | The kits include the relevant probe, charging cradle, AC adapter, I'm connection cable, mini-tripod and belt clip. |
|------------------------------|--|
| *All DSII Probes have a buil | t-in fan, Bluetooth wireless and are supplied with a sensor insertion tool and hex screwdriver. |
| 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. |
| ACC-HD9 | Hood for use when pumping samples across a DSII probe. |
| AD-DSIIL8-1M | Im replacement cable for DSII probes to connect to AdvancedSense meters. |
| AD-DSIIUSB-IM | Im replacement cable for DSII probes to connect to Tablets/Laptops/PCs. |
| CA-HD4-A1 | Al series smart sensor (DirectSense II) calibration cap. |
| CA-HD5-BI | B1 series smart sensor (DirectSense II) calibration cap. |
| GWLive-ST | GrayWolfLive cloud application. Allows remote, interactive WiFi access (via PCs, iPads, Android devices, smartphones, etc.). View data as tables, graphs, gauges, live readings and more (from one or virtually an unlimited number of DSII probes). |
| GWLive-Alerts | This GWLlive version also sends alerts when high/low set points are exceeded. |
| 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-35P/36P | Hard-shell Security case with foam cutouts for AdvancedSense or tablet and sensor exposure for 1x DSII probe plus a particulate meter. |
| | |



25+ Available Plug-and-Play Sensors:

TVOCs (5 PID ranges), CO₂ (NDIR), Electrochemicals; O₃, CO, NO₂, NH₃, Cl₂, SO₂, O₂, NO, H₂S, HCI, HCN, H₂, plus exotics; AsH₃, ClO₂, B₂H₆, Eto, 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. A smart °C/°F, %RH combo sensor (Pt100 and capacitive) is included as standard



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