Advanced Environmental Instrumentation
With the right sensors for the application

✓ Surveyed ✓ Documented ✓ Reported

Choice of Platforms

User Swappable Smart Sensors

AdvancedSense BE
Environmental Test Meter

AdvancedSense Pro
Environmental Test Meter

File Log Probe View	
TVOC	994µg/m3
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

Menu   Live: Storage Closet

AdvancedSense Pro
Environmental Test Meter

apps   GRAY WOLF   (power)

Charging Stand/
Wall-Mount

DIRECTSENSE® II
Advanced Environmental Probes

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, CO_2, CO, O_3, NO_2, NH_3, O_2, H_2S, NO, SO_2, Cl_2, HCN, HF, HCl, H_2, F_2, ClO_2, 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.

*US Patent 10,348,834 SELF CONFIGURING SMART PROBE

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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. Optional IEEE 802.11 b/g/n Wi-Fi Module to directly relay probe readings to Cloud.
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.

Power:

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%.
Recharge time:	3 hours typical (in cradle). Probes may be continuously powered from meter/tablet/PC. Red/green front cradle LED displays charging/fully charged status.
Power supply:	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 °C/°F, %RH sensors and 1 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, 1m connection cable, mini-tripod and belt clip.

*All DSII Probes have a built-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	1m replacement cable for DSII probes to connect to AdvancedSense meters.
AD-DSIIUSB-1M	1m replacement cable for DSII probes to connect to Tablets/Laptops/PCs.
CA-HD4-A1	A1 series smart sensor (DirectSense II) calibration cap.
CA-HD5-B1	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 GWLive 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.

✔ Measure Smart   ✔ Report Efficiently

Front View — Connectivity status LED; Snap-Log Button; Power (on/off) Button; 83mm (3.3"); 295mm (11.6")
Side View — 55mm (2.2")
Back View — 2.5mm Hex Release Screw (for front hatch access to sensors); ¼" - 20 tpi Brass Insert for tripod/belt clip/etc.; Insert for M3 Locking Thumb Screw

ACC-PWR-DSII-CRDL CHARGING CRADLE

Front View — Charge Status LED; 93mm (3.7"); 80mm (3.2")
Side View — 93mm (3.7"); 12V DC Input from 100/240 AC Charger; Output to AdvancedSense Meters or Tablet/PC Computers
Back View — Locking Thumb Screw; Removable Wall-Mount Plate

25+ Available Plug-and-Play Sensors:

TVOCs (5 PID ranges), CO_2 (NDIR), Electrochemicals; O_3, CO, NO_2, NH_3, Cl_2, SO_2, O_2, NO, H_2S, HCl, HCN, H_2, plus exotics; AsH_3, ClO_2, B_2H_6, Eto, F_2, HF, $COCl_2$, PH_3, SiH_4. 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.

DSII-3
DSII-5
DSII-8

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

CA-HD4-A1 calibration cap.

ACC-HD9 sampling hood.

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