Advanced Environmental Instrumentation
With the right sensors for the application

✓ Surveyed   ✓ Documented   ✓ Reported

Choice of Platforms   User Swappable Smart Sensors

DIRECTSENSE® II
Advanced Environmental Probes

TVOC 84 ppb
Carbon Dioxide 469 ppm
Carbon Monoxide 1.1 ppm
Ozone 0.04 ppm
Temperature 22.3 °C
Relative Humidity 39.5 %RH
Ammonia 0.8 ppm
Nitrogen Dioxide 0.05 ppm

Live: Storage Closet

AdvancedSense Pro
Environmental Test Meter

apps

GRAY WOLF

Desktop
Charging Stand/
Wall-Mount Included

For 20+ years, GrayWolf has been transforming the way that environmental measurements are taken. Acting on the feedback from our many worldwide IAQ, HVAC, IH and Green Building customers, in 2019 we introduced a range of patented* smart probes. We've been adding even more highly advanced DSII probe features ever since.

- Up to eight (8) sensors per probe; %RH, temperature plus up to six gas sensors.

- Sensors are truly plug & 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 for up to 32 parameters simultaneously.

- Wi-Fi built into the probe enables connection to remote smartphones, etc., via the GrayWolfLive® Cloud app. Or connect locally via BLE direct to iOS, Android devices.

- Internal fan increases sensor response and eliminates sensor generated heat.

- Rechargeable (or powered via cable connected meter/tablet). Charging cradle also operates as a stand or wall-mount fixture.

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

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 Classic, Bluetooth Low Energy (BLE) & IEEE 802.11 b/g/n Wi-Fi WolfRadio™ module standard. BLE connects to iOS & Android; Classic connects to AdvSPro, WIN tablets; Wi-Fi relays probe readings to the Cloud via GrayWolfLive.
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 2.5mm 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. BT Classic or WiFi ON reduces battery life ~20%. Probes may be continuously powered from meter, tablet, PC.
Recharge time:	3 hours typical (in cradle). 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-7	DSII probe with °C/°F, %RH and 5 sockets for smart PID 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-3/5/7/8-KIT	The kits include the relevant probe, charging cradle, AC adapter, mini-tripod, sensor insertion tool, hex screwdriver, and (unless specified for exclusion) a WiFi/Bluetooth radio card.

Accessories	
ACC-BELTCL-2	Rigid belt clip with custom vertical fitting for DSII probes.
ACC-BELTCL-3	Rotating belt clip with easy clip/detach function.
ACC-DSII-FLANGE	Flange and bracket to secure DSII probes into ducts, test chambers, etc.
AD-DSIIL8-1M	1m cable for DSII probes to connect to AdvancedSense meters.
AD-DSIIUSB-1M	1m cable for DSII probes to connect to Tablets/Laptops/PCs.
CA-HD4-A1	A1 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).
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 connects to AdvancedSense meters. AD-DSIIUSB-1M USB-A version for tablets/laptops.

CA-HD4-A1 ► calibration cap.

ACC-BELTCL-2 ► belt clip.

Optional belt clips accommodate hands-free surveys for 1 or multiple probes.

UK & Ireland Distributor

ET Enviro Technology Services Ltd
part of CuraTerrae

Kingfisher Business Park, London Road, Stroud, Gloucestershire, GL5 2BY, UK

Tel: +44 (0) 1453 733200   sales@et.co.uk   www.et.co.uk