Advanced Environmental Instrumentation
Harnessing the Power of Mobile Computing

✔ Surveyed ✔ Documented ✔ Reported

Example Screens

Trend Log

File Log Probe View	
Ozone	**0.00** ppm
Ammonia	**1.9** ppm
Sulfur Dioxide	**0.0** ppm
Nitric Oxide	**0.0** ppm
Hydrogen Sulfide	**0.00** ppm
Temperature	**27.1** °C
Relative Humidity	**72.1** %RH

Menu Stop Log Automotive Shop5'

Live Display

File Log Probe View	
Carbon Dioxide	**460** ppm
Nitrogen Dioxide	**0.00** ppm
Carbon Monoxide	**1.8** ppm
Temperature	**70.9** °F
Relative Humidity	**37.7** %RH
Dew Point	**43.9** °F
ΔP	**0.006** inH20
Air Speed	**310.6** ft/m
Volume Flow	**549** cfm

Menu Snap   Live: WolfSense\Location1

Text Notes

WolfSense   OK
Workers in this area are complaining about frequent eye and nose irritation when they spend anything more than a few minutes here.

On-Board Documents

WHO GUIDELINES FOR INDOOR AIR QUALITY
World Health Organization Europe
SELECTED POLLUTANTS

AdvancedSense® BE
Environmental Test Meter

File Log Probe View	
TVOC	**365** µg/m3
CO2	**559** ppm
CO	**0.0** ppm
O3	**0.00** ppm
Temp	**21.6** °C
RH	**19.0** %RH

Audio Note

Live Apps Notes Log Min/Max Docs Locs Audio

apps AC CHARGE GRAY WOLF mic.

User Calibration of a Gas Sensor (Hardware...

On-Board Video Help
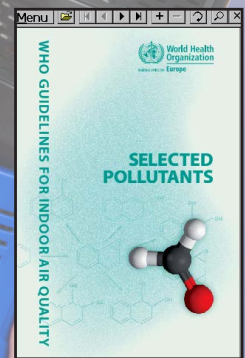
ADVANCEDSENSE® BE
Environmental Test Meter (Basic Edition)

GrayWolf is transforming the way that environmental measurements are taken. The AdvancedSense BE meter runs highly advanced, very user-friendly application software. Display, data-log and annotate (on-site) a broad range of parameters with a single, rugged, cutting edge instrument.

- Connect a GrayWolf DirectSense® probe, from a choice of various models, with up to 8 sensors per probe

- Available sensors; differential pressure, airspeed, TVOCs, CO_2, %RH, °C/°F, CO, O_3, NH_3, H_2S, NO, NO_2, SO_2, Cl_2, HCN, HF, HCl, F_2 and other parameters

- Backlit color touch screen

- Data files simply auto-name or choose descriptive data file names

- Highly intuitive and extremely Easy-To-Use

- **Feature rich** with productivity tools that make your environmental surveys more efficient, more detailed, more reliable:

  - Microphone for audio documentation of surveys

  - Virtual keyboard for text notes that auto-attach to data files and for detailed data file naming

  - Speaker for audio queues/playback and more

  - On-board educational info, application docs, help videos, user tips and more

  - Data transfer & reporting software for trend graphs, note management and much more

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ADVANCEDSENSE® BE

Environmental Test Meter (Basic Edition)

✔ **Measure Smart**   ✔ **Report Efficiently**

Front View   Stylus   Stylus   Stylus   Top View

Rugged rubber overgrips

Optional dual K Thermocouple sockets

Color touch screen (w/backlight)

USB output to PCs (cable included as standard)

Optional auto-zeroing differential pressure ports

Bottom View

AdvancedSense BE Environmental Test Meter

Applications button (tiles menu)

Power (on/off) button

7 pin Lemo-style socket for RH-AS2 small T/RH probe

AC charge indicator

Microphone (attach audio notes directly to data files)

12V DC input from 100/240V AC charger

8 pin Lemo input for GrayWolf DirectSense probes

96mm 3.8"

SPECIFICATIONS:
(for additional sensor/probe specifications refer to GrayWolf's DirectSense® probe, pitot tube and thermocouple brochures)

General:

Dimensions:	96.0mm (3.8in.) w. x 177mm (7.0in.) h. x 47.0mm (1.8in) d.
Construction:	Rugged polycarbonate plastic with rubberized side grips. IP64
Weight:	700gr (1lb 8.5oz.) Add 50gr (1.5oz.) for auto-zeroing, auto-ranging ΔP option
Screen Size:	3.5" HVGA 320 x 480 color touch screen with backlight
Memory:	32GB for data-logging (millions of readings) and notes (text/audio), help videos and documents
Audio:	Integral electret microphone (on front, for audio recording) and 8 ohm speaker (on back, for audio queues, help videos and audio note replay)
Mounting:	¼" - 20 thread (on back) for belt clip, etc. (& for included mini tripod/stand)
Operating Range:	-10°C to 50°C (15°F to 122°F), 0 to 100 %RH non-condensing

Connectors:

1 x Lemo 8F pin for GrayWolf DirectSense probe

1 x Lemo 7F pin for RH-AS2 direct-connect TRH probe

1 x USB mini B socket. 1m mini USB B to USB A download cable supplied as standard

1 x 12V, 2.1mm DC power socket

Optional: 2 x 4mm posts for differential pressure tubing

Power:

Battery:	4250 mAh Lithium Ion rechargeable
Battery Life:	16+ hours typical for new battery with backlight off (and probes self-powering)
	The AdvancedSense BE can power DirectSense probes. Battery life will vary when powering probes or pressure sensors
Recharge time:	4 hours typical. Red/green front LED displays charging/fully charged status
Power supply:	100/240VAC, 50-60Hz, 12VDC external charger. Specify local plug

All specifications are subject to change without further notice

47mm 1.8"

177mm 7.0"

Right Side View

Back View

Speaker

1/4"-20tpi brass insert for tripod/belt clip/etc.

Optional Built-in Sensors:

	Differential Pressure (**DP-702LH**)
Range	±10,000Pa, ±40 inH₂O, ±1000 mmH₂O, ±100 mbar, ±70 mmHg
Resolution	0.1 Pa, 0.001 inH₂O, 0.01 mmH₂O, 0.001 mbar, 0.001 mmHg
Accuracy (auto-zeroing enabled)	±1% of rdg ±0.1Pa up to 250Pa, ±1%rdg ±4Pa >250Pa (±1% of rdg ±0.001 inH₂O to 1.000 inH₂O, ±1%rdg ±0.015 inH₂O>1.000 inH₂O)

Differential Pressure is auto-ranging for exceptional low-end detection, yet a broad range. For exceptional accuracy, it is also auto-zeroing (every 2 minutes by default but zeroing frequency is user adjustable to 5 minutes or OFF)
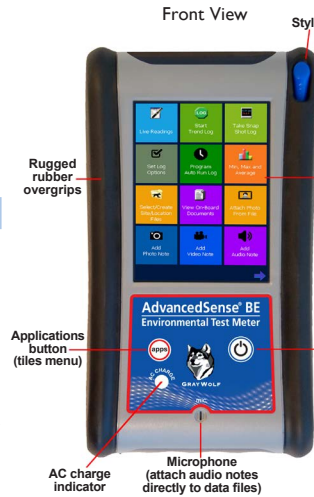
2m dual tubing is supplied with optional differential pressure sensor. GrayWolf offers a selection of pitot tubes for air velocity. ▼

PCC-AS01 pouch with neck-strap for hands free surveys. Also hand-strap/belt-loop. ▼

▶ **WolfSense® PC** data transfer and analysis software supplied as standard

▲ **PCC-20A** Hardshell case holds AdvancedSense BE, probes (DSII internally, or extended during secure monitoring) & accessories.

Advanced Reporting Software, Calibration kits and other accessories are available from GrayWolf. View them online at: **www.graywolfsensing.com/ accessories/**
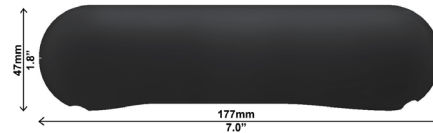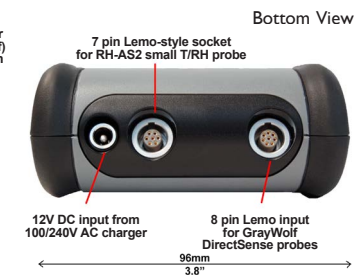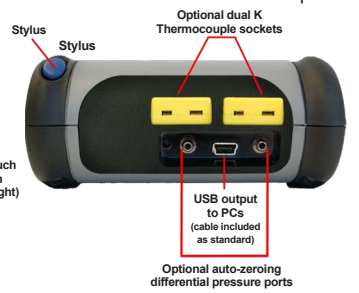
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