

# Advanced Environmental Instrumentation

## Harnessing the Power of Mobile Computing



✓ Surveyed

✓ Documented

✓ Reported



### Live Screen

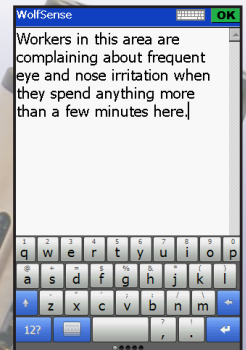
File	Log	Probe	View
Ozone	0.00ppm		
Ammonia	1.9ppm		
Sulfur Dioxide	0.0ppm		
Nitric Oxide	0.0ppm		
Hydrogen Sulfide	0.00ppm		
Temperature	27.1°C		

### Example Screens

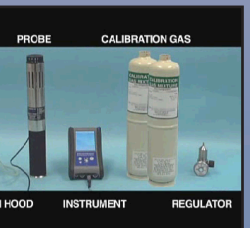
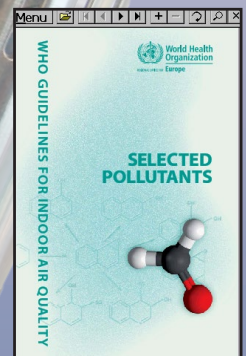
### Live Display

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	inH2O	
Air Speed	310.6	ft/m	
Volume Flow	549	cfm	

### Text Notes



### On-Board Documents



### On-Board Video Help



# ADVANCEDSENSE® BE

Environmental Test Meter (Basic Edition)



**GRAYWOLF®**  
**SENSING SOLUTIONS**  
**PH. 1-203-402-0477**

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**WWW.GRAYWOLFSENSING.COM**

**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 6 sensors per probe
- Available sensors; differential pressure, airspeed, TVOCs, CO<sub>2</sub>, %RH, °C/°F, CO, O<sub>3</sub>, NH<sub>3</sub>, H<sub>2</sub>S, NO, NO<sub>2</sub>, SO<sub>2</sub>, Cl<sub>2</sub>, HCN, HF, HCl, F<sub>2</sub> 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



# ADVANCEDSENSE® BE

Environmental Test Meter (Basic Edition)

## SPECIFICATIONS:

(for additional sensor/probe specifications refer to GrayWolf's DirectSense®, pitot tube 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  $\Delta P$  option  
**Screen Size:** 3.5" HVGA 320 x 480 color touch screen with backlight  
**Memory:** 8GB 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:** 1/4" - 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:** 18+ 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**

### Optional Built-in Sensors:

	Differential Pressure (DP-702LH)
Range	$\pm 10,000\text{Pa}$ , $\pm 40\text{ inH}_2\text{O}$ , $\pm 1000\text{ mmH}_2\text{O}$ , $\pm 100\text{ mbar}$ , $\pm 70\text{ mmHg}$
Resolution	0.1 Pa, 0.001 inH <sub>2</sub> O, 0.01 mmH <sub>2</sub> O, 0.001 mbar, 0.001 mmHg
Accuracy (auto-zeroing enabled)	$\pm 1\%$ of rdg $\pm 0.1\text{Pa}$ up to 250Pa, $\pm 1\%$ rdg $\pm 4\text{Pa}$ >250Pa ( $\pm 1\%$ of rdg $\pm 0.001\text{ inH}_2\text{O}$ to 1.000 inH <sub>2</sub> O, $\pm 1\%$ rdg $\pm 0.015\text{ inH}_2\text{O}$ >1.000 inH <sub>2</sub> O)

Differential Pressure is auto-zeroing (every 2 minutes by default but zeroing frequency is user adjustable to 5 minutes or OFF)

WolfSense® PC data transfer and analysis software supplied as standard



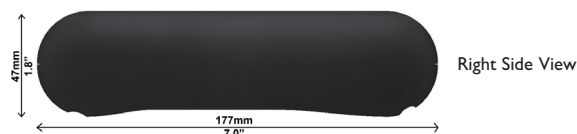
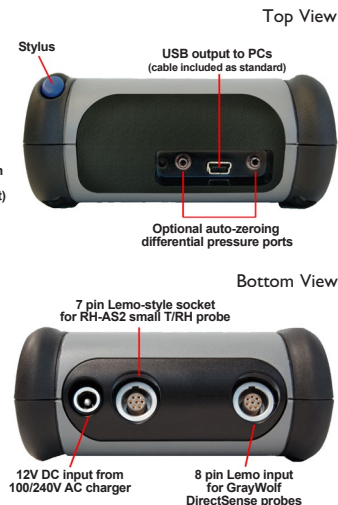
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## MEASURE SMART



## REPORT EFFICIENTLY



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. ▼



▲ PCC-10A Hardshell Security case holds AdvancedSense BE, probes & accessories. Smaller/larger cases also available.

Advanced Reporting Software, Calibration kits and other accessories are available from GrayWolf.

View them online at [accessories.graywolfsensing.com](http://accessories.graywolfsensing.com)

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