

Advanced Environmental Instrumentation

Harnessing the Power of Mobile Computing



✓ Surveyed

✓ Documented

✓ Reported



Example Screens

Realtime

File	Log	Probe	View
ΔP		0.001	inH2O
Barometric		29.8	inHg
ΔT		1.1	°F
Air Speed		169	ft/m
Temperature		82.9	°F
Relative Humidity		38.9	%RH
Dew Point		64.2	°F

Menu Snap

Live: 1st Floor Atrium

Click to "Snap" log

Click for Audio Note

Text Note attached

HVAC Field Note (completed template) attached

Choose Log Mode

WolfSense

Snap Trend Auto

Trend Log averaged readings to:

- Commerce Place
 - Building 1
 - Building 2
 - Building 3
 - 1st Floor
 - atrium

New Site New Loc Outdoor

Interval: 1 mins 0 secs

Options

Cancel Start Log

Add Volume Flow

WolfSense

Select Probe:

Pitot Tube

Area Diameter H x W

50 0 cm Help

Standard Actual

STANDARD: Volume Flow calculated using standard environment values (STP).

Add to Display m3/h

Clear All Close



AS-201 patented, telescoping hotwire airspeed probe (shown collapsed)

ADVANCEDSENSE® HVAC

Environmental Test Meters



GRAYWOLF®
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GrayWolf is changing the way that HVAC measurements are taken; enhancing your air sensing capability with a broad range of accurate, fast response sensors, and with advanced productivity tools. The AdvancedSense HVAC kit's powerful features are intuitive and Easy-To-Use.

- Differential Pressure, Air Velocity, Differential Temperature, Relative Humidity, Dewpoint and more are standard
- The built-in DP sensor module is both auto-zeroing and auto-ranging for unparalleled resolution and range
- Air velocity and volume flow may be measured with the included thermal anemometer and/or optional pitot tubes
- Expand your kit for CO₂, VOCs, toxic gases, particulate and other parameters
- Display, Trend Log or Snap Log instantaneous and/or averaged readings
- Add Audio, Text and other notes to data files on-site
- Generate professional reports with supplied software, automated reports with optional WolfSense® ARG
- On-board educational documents, tips, video help & industry video; even load your own for in-the-field instruction
- Flexible, powerful, smart and Easy-To-Use



ADVANCEDSENSE[®] HVAC

Environmental Test Meters

SPECIFICATIONS:

General:
 PC Download/Reporting Software Req's: Windows 8/7/XP
 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: 750gr (1lb 12oz.)
 Screen Size: 785mm (3.5in.) QVGA 240 x 320 TFT color touch screen with backlight
 Memory: 4GB for data-logging (1 million+ readings) and notes (photo/video/audio); plus 2GB for program, help videos, documents and auto data backup
 Audio: Integral electret microphone (on front) and 4 ohm speaker (on back)
 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
Power:

Battery: 4250 mAh Lithium Ion rechargeable
 Battery Life: 27+ hours typical for new battery with backlight off (and airspeed probe, or optional probes self-powering)
 The AdvancedSense can power DirectSense probes. Battery life will vary when powering external probes (AS-201 power consumption increases with air velocity).
 Recharge time: 4 hours typical. LED displays charging/fully charged status
 Power supply: 100/240VAC, 50-60Hz external charger. Specify local plug.
 2 x sub-mini type K thermocouple sockets. Range -110° to 210°F (-80° to 1100°C)

RH-AS2 %RH/Temperature Probe:
 Relative Humidity: Range/Acc: 0 to 100 %RH non-condensing ±2%RH <80%RH (±3%RH>80%RH)
 Air Temperature: Range/Accuracy: 5.0° to 160.0°F (-15° to +70°C) ±0.3°C
 Dimensions: 2.1" (54mm) L, 0.55" (14mm) Ø

AS-201 Hotwire Airspeed Probe:
 Air Velocity: Range: 0-6,000 ft/min (0.00-30.00 m/s)
 Accuracy: ±2% of Reading or ±3 ft/min (0.015 m/s), whichever is greater
 Temperature: Range: 15° to 160°F (-10° to +70°C)
 Accuracy: ±2° F (1.1°C)
 Stated AS-201 temperature accuracy is in a minimum 50 ft/min (0.25 m/s) airflow.
 Dimensions: 14.9" (380mm) L, 31.5" (800mm) L extended
 0.375" (9mm) diam. tip, 0.4375" (11mm) telescope base
 1.5" (38mm) diameter handle, 7.25" (185mm) L

Built-in (optional) Pressure Sensors

	Differential Pressure (DP-702LH)	Barometric Pressure (BP-101)*
Range	±10,000Pa, ±40 inH ₂ O, ±1000 mmH ₂ O, ±100 mbar, ±70 mmHg	600 to 825 mmHg, 800 to 1100mBar, 23.50 to 32.50 inHg, 0.80 to 1.10atm
Resolution	0.1 Pa, 0.001 inH ₂ O, 0.01 mmH ₂ O, 0.001 mbar, 0.001 mmHg	0.1mmHg, 0.1mBar, 0.01 inHg, 0.01atm ±0.1% rdg
Accuracy (auto-zeroing enabled)	±1% of rdg ±0.1Pa up to 250Pa, ±1%rdg ±4Pa >250Pa (±1% of rdg ±0.001 inH ₂ O to 1.000 inH ₂ O, ±1%rdg ±0.015 inH ₂ O>1.000 inH ₂ O)	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE

The **AdvancedSense HVAC Premium** is a comprehensive kit that includes **AdvancedSense** meter, **DP-702LH** DP Sensor, **AS-201** hotwire anemometer, **RH-AS2** %RH/temp. probe, **WolfSense PC** data transfer/reporting software, **AD-L7F-USB** USB key/camera cable, **SWS-AS3a** 3 year added software upgrade subscription, **PCC-22AS** hard shell case and **PCC-AS01** AdvS pouch w/belt strap and neck strap. A range of additional probes and accessories are available from GrayWolf to expand your kit.



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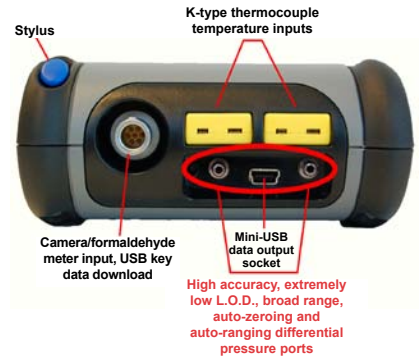
MEASURE SMART

REPORT EFFICIENTLY

Optional IQ-610 6 sensor IAQ probe



Top View



RH-AS2 probe (included) shown at left with optional ACC-RH-HDLA handle with 1 m cable



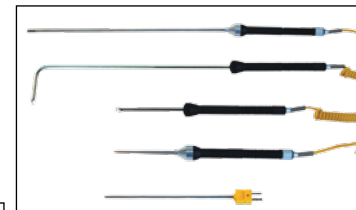
Optional AS-202A articulating hotwire probe and PC-3016A six channel particle counter



GrayWolf's unique PIT-504-KIT expandable Pitot Tube kit (shown with 2 extra extensions)



PCC-22AS hard-shell case, Included (shown with optional PIT-504-KIT)



GrayWolf's optional 300 Series K-Type Thermocouple probes (or use your own)

Optional GrayWolf supplied pitot tubes (or use your own)



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