



The AdvancedSense AIR and DirectSense AIR integrate precision thermal "hotwire" anemometer sensor technology and GrayWolf's comprehensive software with the power and performance of mobile PC computing. Intuitive and Easy-To-Use. Airspeed measurement has evolved to an advanced new level.

- Measures Air Velocity, Volume Flow & °C/°F (with options for more parameters)
- Patented telescoping hotwire probe design eliminates internal cabling, avoids cable kinking and chafing
- Large, tactile color display of measurements (alternatively display a graph)
- Versatile Averaging function
- Best-of-Class Accuracy

- Optional fumehood face velocity and duct traverse calculation software
- Stores measurements along with date, time, text, audio, drawings and more
- Optional 90 degree articulating probe
- Graduated markings (cm & inches)
- Optional auto-zeroing Differential Pressure & pitot tubes (AdvancedSense only)
- Extremely Easy-To-Use

Air Velocity Meters



GRAYWOLF[®] SENSING SOLUTIONS Ph. 1-203-402-0477 Fax: 1-203-402-0478

Email: Salesteam@GrayWolfSensing.com

Website: www.GrayWolfSensing.com



Connect probes to your choice of Platforms

AdvancedSense BE Rugged, Multifunction Data-logger →

function Data-logger ←

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Superior Technology for Enhanced Airspeed Testing

Example Screens (AdvancedSense)



Air Velocity and Volume Flow readings are displayed on the color tactile screen. An average can be simultaneously displayed; calculated from a choice of manually input readings or measurements auto-updated at one-second intervals.

"Snapshot" measurements can be logged at the push of a button or a tap of the screen. Enter a description of the measurement location plus text notes, Word field forms, graphic files, audio memos, statistics, calibration data and more. Save time, improve efficiency and enhance documentation.

DuctCal®



GrayWolf's DuctCal software add-on module for accurate Volume Flow measurement calculates and displays measurement points, walking the user through a choice of Log-Tchebycheff or Equal Area duct traverses.

The DirectSense AIR is supplied with WolfSense® PC software for desktop data transfer, analysis and graph generation. Optional WolfSense ARG software automates the reporting process.



Example Vindows PC Screen (fumehood report and real time air velocity window)

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Low cost WIN 10 Tablets are available from Gray-Wolf, with application appropriate accessories \blacktriangleright











37" Fully Extended (940mm)

PIT-504

Unique Pitot Tube with

or up to 81" (205cm)

with optional extensions

screw-in extensions 13" (33cm) up to 55" (140cm) standard,

180°

0.375" (9mm)

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AIR VELOCITY







The AS-201 and AS-202A hotwire anemometer probes measure air velocity over a wide range, yet have exceptional low velocity accuracy and repeatability. Both probes telescope, while the AS-202A also has an articulating tip (excellent for reaching ceiling diffusers/filters and for fumehood face velocity balancing). The probes are ideally suited for applications ranging from IAQ (thermal comfort), to cleanrooms, to general HVAC testing.

21" - Collapsed (533mm)

3

7.25"

(38.0) mm

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AS-202A 24 24

HoodCal®

Fumehood face velocity software guides the user step-by-step from air velocity sensor positioning on through to a detailed report that prints each measurement point and PASS/ FAILs the test based on user selected criteria.



ange (+/- Avg

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DirectSense II %RH, Carbon Dioxide,

TVOCs, CO, °F/°C and more $(O_3, NH_3, NO_2, NO, H_2S or others)$. Up to 8 sensors in one probe (for IAQ and toxic gas applications).

PC-3016A 6-Channel Particulate Meter

Expand your measurement capabilities with additional parameters available from GrayWolf; and more are on their way!



TC-301I/305S K-type °F / °C probes

for immersion/ surface & other apps



PCC-22AS Hard-shell carrying case for AdvancedSense or Tablet PCs

PIT-229MS standard pitot tube (operates w/optional DP-702LH △P sensor in AdvancedSense) ▼



AS-202A on ACC-TPD1 tripod with ACC-TPD-AS fitting ▼



ACC-TPD-AS





AS-201 on ACC-XT-ROD extension ► rod, ACC-EX4-L8 4m (14 ft) extension cable and ACC-TPD-AS fitting



PCC-AS01 pouch for AdvancedSense (comes w/belt loop and neck strap)



Protective nylon pouch with hand strap for secure grasp of Tablet PCs. Also includes neck strap and built-in stand. Specify PCC-MN-8 (8") or PCC-MN-10 (10") tablet versions.

GRAYWOLF SENSING SOLUTIONS Annacotty Industrial Park, Unit 1C Annacotty, County Limerick Ireland V94 PR2Y Ph. (353) 61358044

ADVANCEDSENSE DIRECTSENSE AR

Air Velocity Meter

SPECIFICATIONS: AS-201/AS-202A

Air velocity (notwire):	Range: $0-6,000 \text{ ft/min} (0.00-30.00 \text{ ft/s})$
Accuracy: $\pm 2\%$ 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 temperature accuracy is in a minimum 50 ft/min (0.25 m/s) airflow. This probe has significantly reduced temperature accuracy in still air due to heat generated by the "hotwire".	
Probe Dimensions AS-	201: 31.5" (800mm) L extended

14.9" (380mm) L collapsed

(a, b, c) = (b, c) + (b, c)

0.375" (9mm) diam. tip, 0.4375" (11mm) telescope base

1.5" (38mm) diameter handle, 7.25" (185mm) L Probe Dimensions AS-202A: 37" (940mm) L extended

21" (530mm) L collapsed

6" (150mm) L tip articulates to 180°, 90°, or 45°

0.375" (9mm) diam. tip, 0.4375" (11mm) telescope base

1.5" (38mm) diameter handle, 7.25" (185mm) L

Weight (probe): w/batteries 13 oz (375 gm)

Power (probe): 2 x AA cells; typical battery life 50 hrs.

Probes may be powered by the AdvancedSense or Tablet, bypassing internal batteries.

PC Software Requirements:

30MB hard disc (min.) space

Windows 7/8/10

GRAYWOLF SOFTWARE IS 21 CFR PART11 COMPLIANT

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE

• The DirectSense AIR TAB is a complete kit that includes an **MN-10** 10" tablet computer, AS-201 airspeed probe, WolfSense LAP application software, WolfSense PC data transfer/reporting software, PCC-MN-10 tablet pouch, PCC-22AS hardshell case and more.

The AdvancedSense BE AIR Kit is the same as above, but includes an **AdvancedSense BE** meter, in place of the Tablet PC, and a **PCC-AS01** meter pouch in place of the **PCC-MN-10**.

- Alternative kits (with or without Mobile PC or AdvancedSense) can be ordered to meet your specific needs. Contact GrayWolf for details.
- All factory calibrations are performed with NIST traceable equipment. Certificates of traceability are available.

GRAYWOLF® SENSING SOLUTIONS 6 Research Drive (Worldwide Headquarters) Shelton, CT 06484 USA Ph. (1) 203-402-0477 800-218-7997



Email: Salesteam@GrayWolfSensing.com www.GrayWolfSensing.com