



S

eter

≥

Velocity

Air

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

N V V

Email: Salesteam@GrayWolfSensing.com

Website: www.GrayWolfSensing.com



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
 Stores measurements along with date, eliminates internal cabling, avoids cable kinking and chafing
- Large, tactile color display of measure-ments (alternatively display a graph)
- Versatile Averaging function
- Best-of-Class Accuracy

- Optional fumehood face velocity and duct traverse calculation software
- 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

Superior Technology for Enhanced Airspeed Testing

Connect probes to your choice of Platforms

AdvancedSense BE Rugged, Multifunction Data-logger –



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.



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

🞽 🦞 🔯 🦺 🔟



Or connect probes to your own Windows PC

Example Example

PC Screen

(fumehood report and

real time

window)

air velocity

Windows





AIR VELOCITY

AS-201

VOLUME FLOW





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)

7.25"

(38.0) mm

AS-202A ାଞ ଞ ହାଛା ହା ହା ହା ହା ଛା <mark>ଥି</mark> ଅଟେ <mark>ହ</mark>ା ଅତ୍ୟାର୍ଚ୍ଚ ଅଟି ଅଟି ଅଟି



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.



Experiment Settings

1ax Grid Size Ain Face Velocity

 $\equiv \times$

0

0 0 0

Next >>

Measure

Done

0.94 m/s (0.92 to 0.95) at 32 inches RIGHT 8 inches

<<Back

DOWN

PIT-504

37" Fully Extended

Unique Pitot Tube with screw-in extensions 13" (33cm) up to 55" (140cm) standard, or up to 81" (205cm) with optional extensions

180

0.375" (9mm)



TC-301I/305S K-type °F /°C probes for immersion/ surface & other apps

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).

Next >>

<<Back

PC-3016A 6-Channel Particulate Meter

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



ADVANCEDSENSE DIRECTSENSE[®] AIR

Air Velocity Meter

SPECIFICATIONS: AS-201/AS-202A

Air Velocity (hotwire):	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 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	
0.375" (9mm) diam. tip, 0.4375" (11mm) telescope base		
1.5" (38mm) o	liameter 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 A	A cells; typical battery life 50 hrs.	
Probes may be powered by the AdvancedSense or Tablet, bypassing internal batteries.		

PC Software Requirements:

Windows 7/8/10

30MB hard disc (min.) space

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

Measure Smart

Report Efficiently

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

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

GRAYWOLF



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



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)



A 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









