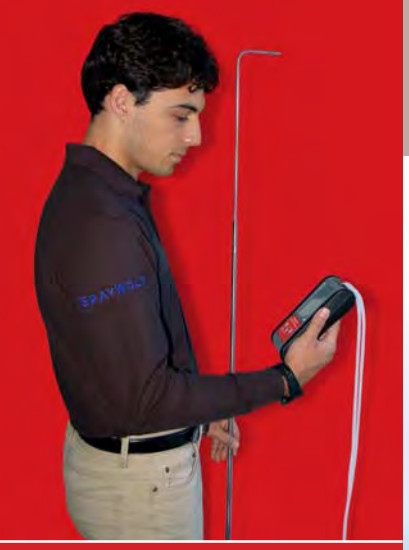

ZEPHYR™ III MICROMANOMETER

Differential Pressure Meter

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

EMAIL:
SALESTEAM@
GRAYWOLFSENSING.COM

WEBSITE:
WWW.GRAYWOLFSENSING.COM

Advanced Environmental Instrumentation

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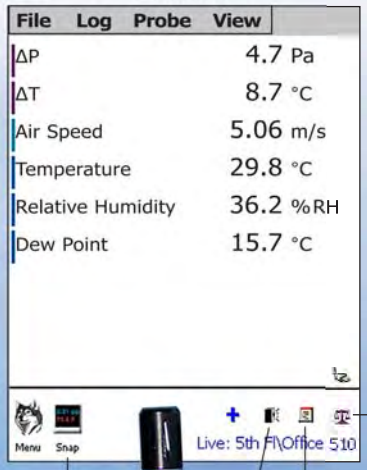
✓ Surveyed ✓ Documented ✓ Reported

Example Screens:

Realtime



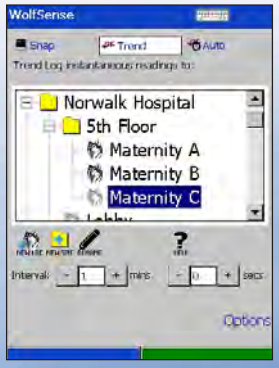
Click to "Snap" log

Click for Audio Note

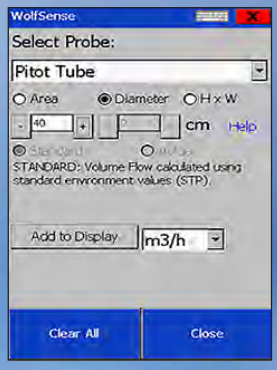
Text Note attached

Calibration history available upon click

Choose Log Mode



Add Volume Flow



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

The GrayWolf Zephyr III has exceptional low-end accuracy, yet a wide range. Auto-ranging ΔP sensors, combined with auto-zeroing make this the top performing handheld micromanometer on the market.

- Differential Pressure accurate to 0.1 Pa, 0.002 inH_2O (switchable units)
- Broad range ±10,000Pa, ±40 inH_2O
- The built-in DP sensor module is *both* auto-zeroing and auto-ranging for unparalleled true resolution, accuracy and range
- Measure Air Velocity & Volume Flow with the exceptionally accurate (+/- 2% RDG) optional thermal anemometer
- Alternatively, connect Pitot-Static tubes to measure broad-ranging airspeeds, over wide °C/°F ranges
- Display, Trend Log over time 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, user tips and video help
- Expand your kit for Pt100 temperature and %RH
- Flexible, powerful, and Easy-To-Use

ZEPHYR™ III
MICROMANOMETER

Differential Pressure Meter

✓Measure Smart ✓Report Efficiently

SPECIFICATIONS:

General:

PC Download/Reporting Software Req's:	Windows 7/8/10
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)
Screen Size:	785mm (3.5") HVGA 320 x 480 color touch screen with backlight
Memory:	32GB for data-logging (1million+ readings), notes (audio, text, etc.), WS AS application software, help videos, documents and auto data backup
Mounting:	¼" - 20 tpi thread (on back) for optional belt clip, mini tripod/stand, etc.
Operating Range:	-10°C to 50°C (15°F to 122°F), 0 to 100 %RH non-condensing 2x type-K thermocouple sockets. Range -110° to 2010°F (-80° to 1100°C)

Power:

Battery:	4250 mAh Lithium Ion rechargeable
Battery Life:	24+ hours typical for new battery with backlight off Battery life will vary when powering external probe (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 charger supplied w/US, EU, UK, AU plugs

Built-in Differential Pressure Sensors (included):

Differential Pressure Range:	±10,000Pa, ±40 inH_2O, ±1000 mmH_2O, ±100 mbar, ±70 mmHg
Resolution:	0.1Pa, 0.001 inH_2O, 0.01 mmH_2O, 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 inH_2O to 1.000 inH_2O, ±1%rdg ±0.015 inH_2O>1.000 inH_2O)

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)

RH-AS2 %RH/Temperature Probe (optional):

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/AS-202 Thermal Anemometer Probes (optional):

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)

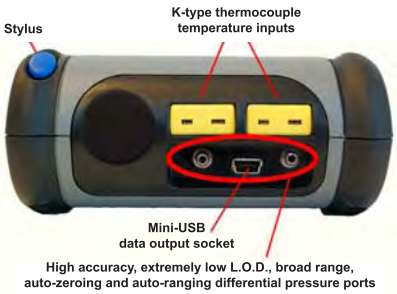
Stated AS-201/AS-202 temperature accuracy is in a minimum 50 ft/min (0.25 m/s) airflow.

Dimensions:	1.5" (38mm) Ø handle, 7.25" (185mm) L handle, 0.375" (9mm) Ø aerial tip, 0.4375" (11mm) aerial base
AS-201:	14.9" (380mm) L collapsed, incl. handle, 31.5" (800mm) L extended
AS-202:	21" (530mm) L collapsed, incl. handle & 6" (150mm) tip, 37" (940mm) L extended

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE

Optional **TC-305S** K-type thermo-couple surface temperature probe ▼

Top View



High accuracy, extremely low L.O.D., broad range, auto-zeroing and auto-ranging differential pressure ports

◀ Optional **AS-202A** articulating, telescoping hotwire air velocity probe

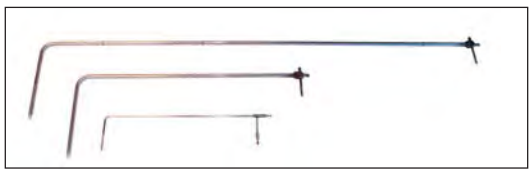
Optional **RH-AS2** probe shown at left with optional **ACC-RH-HDLA** handle with 1m cable ▼

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

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

◀ **PCC-22AS** hard-shell case (shown with optional **PIT-504-KIT** and **AS-202**)

Optional GrayWolf supplied 30mm, 50mm or 100mm (12",19" or 39") pitot tubes (or use your own) ▼



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