



General Specifications AW-1000.4 Portable Air/Water Test Kit		
Item #	Property	Description / Results
1	Applicable Test Procedure & Standards	Air Infiltration ASTM E273, E783 Water Resistance, ASTM E331, E547 & E1105 AAMA, NAFS, North American Test Standards
2	Test Pressure Capacity, Max	26.1 psf (positive & negative direction) or 1250 Pa (positive & negative direction) (Accuracy +/- 0.25 %)
3	Airflow Measurement Capacity/ Laminar Flow Element (LFE), Max	40.0 CFM (infiltration/exfiltration) or 19 L/s (infiltration/exfiltration)
4	Blower Performance	High Performance Centrifugal Blower. 250 W Power Rating, 275 CFM maximum airflow(mfg rating of blower only).
5	Operation Modes	<u>Manual Mode:</u> Operator selects 'Manual' with toggle switch. Control blower speed with rotary speed switch and monitor Pressure & Airflow on the built-in Color Display. <u>Auto Mode:</u> Operator selects 'Auto' with toggle switch. Plug in PC to USB, Load Software and control the blower through the PC. (PC not included)
6	On-Board Color Display	Display is activated in 'Manual Mode' and will display in English Units (psf, CFM) or Metric (Pa, L/S) Specify units of measurement at time of order.
7	Power Requirement/ Power Cord	110 VAC Single Phase (60-Hz) 10-ft Removable Power Cord, NEMA 5-15P to IEC320 C13 Right Angle. Removable Cord and stores securely in the lid.
8	Vacuum Hose	6-ft Low Temperature Hose with integral pressure monitor tube with Medical Grade Quick Connect Fittings Storage for the Hose in the lid when not in use.
9	USB Cable	3-ft USB 2.0 A-Male to B-Male Cable. Connect AW-1000 to PC for 'Auto' Mode'.
10	Physical Dimensions (Width, Height, Depth, Weight)	Case Closed: 24.5" x 10.5" x 16.25", 35-lbs Case Open: 24.5" x 23.5" x 21", 35-lbs
11	Operating Temperature Range	32 - 122 °F 0-50 °C
12	Mobility	Portable. Wheels & retractable handle. Flight friendly.
13	Accessories Outlet	Covered 120 VAC Single Outlet (15Amp) available for laptop power supply or other devices.
14	Safety Functions	Fused Main Power Module (with 10-Amp spare fuse)
15	Cooling	Continuous Internal Fan
16	Documentation	Initial Installation Procedure guide & Operators Manual (pdf), Verification Document (Airflow verification results) available on a flash drive mounted on the top panel.
17	Equipment Setup Time	< 5 minutes (typical)
18	Shipping	Shipped as freight. Palletized & shipped from ATS (EXWORKS)
19	Shipping Size (Approx.)	Palletized Equipment = 40" x 28 x 16", 50-lbs.
20	Applications	Field Testing, Lab Testing, Quality Control, R&D, Training Sessions, Trade Show Display
21	Warranty	1-year Workmanship Warranty. ATS will provide labor to resolve workmanship related issues for a period of 1-year from receipt of the final payment. Client responsible for shipping related charges To/From ATS for repairs.
Option 1	Upgrade	<u>Environmental Monitoring Module (Auto Mode Only):</u> Collect Temperature, Humidity (%RH), Barometric Pressure data during each test.
Option 2	Equipment	Auxiliary Blower Pack. BP-1000 Doubles the airflow capacity of the AW-1000 Test Kit.
Option 3	Accessory	Air Flow Calibration System. Includes three (3) NIST Traceable orifice plates and a custom wheeled hard-shell case designed to meet the requirements of AAMA 204, "ASTM E783 Field Calibration Box".
Option 4	Accessory	Air Flow Calibration Plates. NIST traceable orifice plates 1.000", 1.500", 2.000" includes traceable dimensional report.
Option 5	Accessory	Extra 6' Vacuum Hose Assembly. (The purchase of a AW-1000 includes one Hose Assembly)
Option 6	Accessory	Extra Pressure Interface Port. (The purchase of a AW-1000 includes one Pressure Interface Port)
Option 7	Accessory	Extra 10' Power Cord. (The purchase of a AW-1000 includes one Power Cord)
Option 8	Accessory	Extra USB Cable. (The purchase of a AW-1000 includes one USB Cable)
Service	Preventative Maintenance Service	Maintenance service conducted on units in the field for more that one-year. The service includes an evaluation of mechanical and electrical components, Certificate of Airflow Verification, Cleaning & Inspection and upgrade to current software version. Recommended annually or dependent on level of usage. Replacement of components not covered.