



## Automated Testing Solutions, Inc.

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# AW-3000 - Automated Portable Air-Water Test Kit

## Technical Specifications:

1	Applications	Field : Laboratory : Quality Control : R&D : In-line : Training : Trade Show demonstration : etc.
2	Test Procedure & Standards	Air Infiltration (ASTM E283 & E783) : Water Resistance (ASTM E331, E547 & E1105) : ASTM - AAMA - WDMA - NAFS - TAS
3	Test Pressure Measurement (MAX)	26.0 psf (1250 Pa) : both positive & negative (pressure sensor range) NOTE: blower can generate pressures greater than 150 PSF (7.2 kPa)
4	Airflow Measurement (MAX)	80 CFM (38 L/s) : infiltration/exfiltration measured Available: UPGRADE module for environmental airflow corrections (temperature, RH & barometric pressure) NOTE: blower can generate airflow greater than 150 CFM (71 L/s) under free flow conditions : 40 CFM (19 L/s) option available
5	Accuracy	Meets the accuracy requirements of the referenced standards
6	Built-in Blower	1200 Watt High Flow Brushless Variable Speed Industrial Blower - Ametek
7	Available Operation Modes	AUTOMATED mode (standard) : Connect PC to USB port, load on-board software and run tests via PC MANUAL mode (module) : precise blower speed control with clutched rotary 10 turn dial & 2.8" bright color display of pressure & airflow
8	Power Requirement / Power Cord	US 120 VAC (15 A) circuit / 9 ft removable power cord with 3 prong plug, stores securely in lid when not in use (contact ATS for international power applications)
9	Vacuum Hose & Pressure Tube	6 ft hose with separate pressure monitoring tube using quick connect industrial fittings. Hose & tube store securely in lid. NOTE: With laboratory option, the hose and tube are stored in the steel mobile rolling cabinet.
10	USB Interface	USB 2.0 or USB 3.0 required for automated PC control NOTE: A PC is not required when a MANUAL Mode module (MCM) is installed (See Pricelist)
11	Physical Specs. (W x H x D - weight)	Outside dimensions with case closed: 24" x 16" x 10.5" - 37 lbs (610mm x 405mm x 265mm - 17 Kg) NOTE: Dimensions do not meet airline requirements for carry-on luggage
12	Case Color	Dark Grey
13	Operating Temperature Range	32 - 122 °F (0 - 50 °C)
14	Mobility / Durability	Portable Case - wheels with retractable handle / internal electrical components secured for typical field conditions
15	Accessories Outlet	Fuse protected 110 VAC single outlet available for laptop power adapter only
16	Safety / Reliability	Fused main power, system cooling fan, screened inlets
17	Computer Requirements	PC Laptop, Windows 11, 12" diagonal (1024 x 768) : ATS mil spec PC with preloaded software available (Full computer requirements available at request)