

BPI Recommend Diagnostic Products

Strongly Recommended	Item	Approx. Price Range	Purpose
X	Blower Door kit with digital manometer and manual speed control	\$3,000	Determine air leakage of building shell
	Blower Door Software	\$250	Automate tests, analyze blower door data, create professional reports
X	Duct Tightness Tester with digital manometer	\$2,000	Determine air leakage of HVAC duct system
X	Grill Mask for Duct Tightness tester (cost per roll)	\$50	Sealing registers for duct tightness tests
X	Pressure Pan	\$70	Isolating leakage on a duct run
X	Smoke Bottle (cost per bottle)	\$70	Visualize airflow and leakage, creates a fine cloud, moves with air leakage currents
	Smoke Pen set	\$40	Visualize airflow and leakage, rising stream from precision burning wick
X	Miscellaneous pressure probes	\$50	Adapt digital manometer to test duct, flue gas draft (stack) and gas manifold pressures
X	Combustion Analyzer	\$750 - \$1000	Test appliances and air for Carbon Monoxide, combustion efficiency & safety
X	Gas Leak Detector	\$200-\$300	Locate natural gas and propane leaks
X	Carbon Monoxide Ambient/Personal Monitor with alarms	\$200-\$250	Sense ambient CO and alarm
	Moisture Meter	\$200-\$500	Test material moisture for mold and durability concerns
	Infrared Thermometer	\$125-\$250	Quickly read surface temperatures to track thermal defects
	AirFlow Meter/Device/Hood for HVAC system CFM readings	\$500-\$2300	Determine HVAC CFM (at supplies and returns or total system)
	Exhaust Fan Flow Meter	\$135	Determine flow from exhaust fans down to 10 CFM (use with digital Manometer)
	Thermal Imager (120x240 sensor, minimum)	\$4500 - \$9000	Locate thermal anomalies (air leakage, thermal bypasses, insulation defects), great companion to blower door test
	Inspection Scope or Borescope	\$250-\$400	See inside heat exchangers, ducts, walls, inside vents and more
	Distance meter	\$100 - \$400	Quickly determine length, area and volume with minimal labor

