Alnor® EBT720 Micromanometer and EBT721 Balometer® Capture Hood

The Alnor EBT720 Micromanometer and the EBT721 Balometer are modular air balancing tools engineered for HVAC testing/adjusting/balancing and commissioning applications. Simplify your business with just one economical and comprehensive measurement solution.

Easy to Use

- The extremely light weight (17 ounces EBT720, 7.4 lbs EBT721 hood and base) and ergonomic design considerably reduces user fatigue.
- Micromanometer is easily detached from EBT721 to use with the wide variety of available probes to measure HEPA clean room filters, large HVAC air filters and flows across coils.
- With the Micromanometer and Velocity Matrix you can quickly get a 16-point averaged measurement over a square foot area.
- Large, multi-line display with icons provides more information at a glance.
- Operator selects units of measure (English or metric) for display and reports.
- Log up to 1,000 readings and download to PC with included software for seamless analysis and reporting.
- Wheeled, luggage-style carrying case for EBT721 is light weight and easy to maneuver.

Save Time

- Automatic Zeroing technology ensures each measurement starts from the same reference point and eliminates manual zero calibrations between readings.
- Fast response time allows you to make and log readings in 2 to 8 seconds, even under low flow conditions, so you can get more done during your hectic day.
- Back-pressure compensation (EBT721) automatically adjusts for ventilation system back pressure induced by the Balometer.
- Long battery life (typically 12 hours) means no interruptions to your work.
- Short recharge time (external charger 1 hour; internal charger 5 hours) means less down time for you.
- Measures both supply and exhaust flows so you only need one tool.
- Designed so you can make measurements right out of the box

Save Money

- Low cost of ownership (purchase price, maintenance cost and fast factory service) saves money for years.
- Modular design means you can buy basic kit and add more components as your budget allows.
- Select from the widest variety of available probes: air flow, pitot, temperature, and humidity/temperature.
- Manufacturer-designed and supported CompuDAT downloading software is included in price.
- Power unit with only 4-AA NiMH rechargeable or alkaline batteries or use AC adapter.

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specifications

range	DIFFERENTIAL PRESSURE	±15 in. H_2O, (3735 Pa) 150 in. H_2O maximum safe operating pressure
	ABSOLUTE PRESSURE	15 to 40 in. Hg (356 to 1016 Hg)
	VELOCITY	25 to 8,000 ft/min (0.125 to 40 m/s) pitot probes; 25 to 5,000 ft/min (0.125 to 25 m/s) air flow probe; 25 to 2,500 ft/min (0.125 to 12.5 m/s) velocity matrix;
	VOLUME	25 to 2,500 ft^3/m (42 to 4250 m^3/h) capture hood
	RH	0 to 95% RH (optional probe)
	TEMPERATURE	-40 to 250 degrees F (-40 to 121 degrees C) probe dependant
resolution	PRESSURE	0.00001 in. H_2O (0.001 Pa) Static & Differential Pressure 0.001 in. Hg (1 mm Hg) Absolute Pressure
	VELOCITY	0.1 ft/min (0.1 m/s)
	VOLUME	0.1 ft^3/min (0.1 m^3/h)
	RH	0.1% RH
	TEMPERATURE	0.1 degrees F (0.1 degrees C)
accuracy	PRESSURE	±2% of reading ±0.001 in. H_2O, (0.025 mm H_2O; ±2% of reading ±0.001 in. Hg) Absolute
	VELOCITY	±3% of reading ±7 ft/min (0.04 m/s) 25 to 8,000 ft/min (all velocity probes) > 50 ft/min
	VOLUME	±3% of reading ±7 ft^3 /min 25 to 2,500 ft^3/min > 50 ft/min
	RH	±3% RH
	TEMPERATURE	±0.5 degrees F (0.3 degrees C) from 32 to 160 degrees F (0 to 71 degrees C) typically ±1.0 degrees F (0.6 degrees C) from -40 to 32 degrees F (-40 to 0 degrees C) and from 160 to 250 degrees F (71 to 121 degrees C)
units	PRESSURE	in. H_2O, Pa, mm Hg, in. Hg
	VELOCITY	ft/min, m/s, m/h
	VOLUME	ft^3/min, m^3/h, m^3/m, l/s
	TEMPERATURE	degrees F, degrees C
statistics		min, max, average up to 1000 readings
data storage		1000 readings, time & date stamped
sampling interval		continuous or user selectable (10 to 600 seconds)
response time		2 to 8 seconds
display		6 digit, 0.75 in. character height, multi-line, sectored, multiple symbolic icons, high-contrast backlit LCD
dimensions (manometer only)		7.4 in. x 4.5 in. x 2.3 in. (18.8 cm x 11.4 x 5.8 cm)
weight with batteries		EBT720 17 ounces (0.5 kg), EBT721 7.4 pounds (3.4 kg)
batteries		four AA-size rechargeable NiMH (included) or alkaline cells
battery life		minimum of 12 hours typical
recharge time		1 hour (external charger), 5 hours for (internal charger)
warranty		2 year factory warranty

specifications are subject to change without notice.]

ordering information

model number	description
EBT720-A1	Manometer with carrying case, 4 AA size rechargeable NiMH batteries, external battery charger, AC adaptor, 18" Pitot probe, 2 Static Pressure probes, 16 ft. Neoprene tubing, CompuDat™ PC downloading software, NIST-traceable calibration certificate, and manual
EBT720-X1	-A1plus 16-point Velocity Matrix with telescoping handle
EBT720-O1	-X1 plus Temperature Probe
EBT720-Z1	-O1 plus Relative Humidity/Temperature probe, Air Flow Probe
EBT721-A1	2' x 2' air capture hood/frame/base, Manometer, 4 AA size rechargeable NiMH batteries, external battery charger, AC Adaptor, 18" Pitot probe, 2 Static Pressure probes, 16 ft. Neoprene tubing, Wheeled luggage style carrying case, NIST-traceable calibration certificate, CompuDat PC downloading software, and manual.
EBT721-X1	-A1 plus 16-point Velocity Matrix with telescoping handle
EBT721-O1	-X1 plus Temperature Probe
EBT721-Z1	-O1 plus Relative Humidity/Temperature probe, Air Flow Probe

Note: For EBT720 or 721 with European AC adapter, change to –A2, -X2, -02, -Z2.
For EBT720 or 721 with UK AC adapter, change to –A3, -X3, -03, -Z3
For EBT720 or 721 with Australian AC adapter, change to –A4, -X4, -04, -Z4

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