

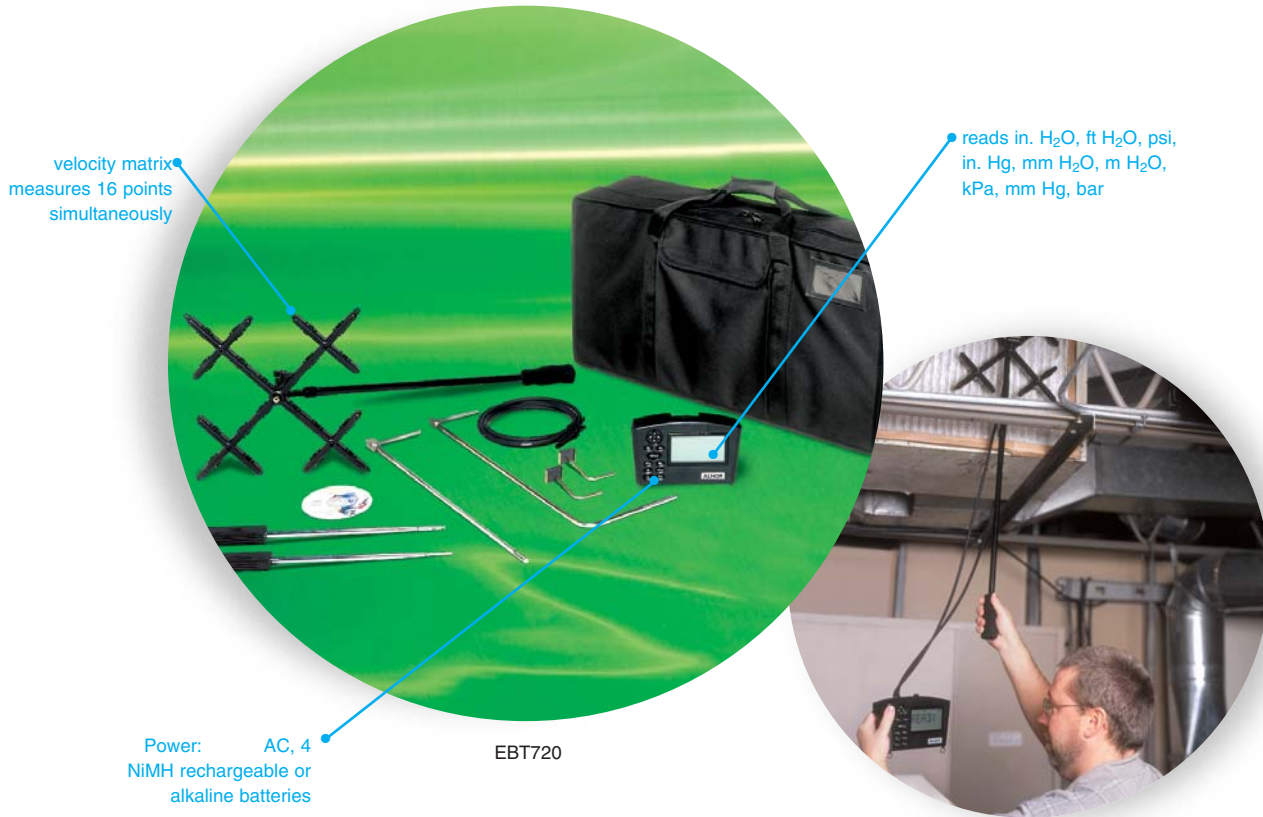
EBT 720 Series Electronic Balancing Tools



ALNOR[®]
TSI Incorporated

[Electronic Balancing Tool—EBT720

The new Alnor EBT720 is one of the most advanced, versatile, and easy-to-use air balancing tools on the market today. With a variety of best in class probes it will become the everyday tool of the test and balance technicians.



model #

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	-A1 plus 16-point Velocity Matrix with telescoping handle
EBT720-O1	-X1 plus Temperature Probe
EBT720-Z1	-O1 plus Relative Humidity/Temperature probe, Air Flow Probe

Note: For EBT720 or 721 with European AC adapter, change to -A2, -X2, -O2, -Z2
 For EBT720 or 721 with UK AC adapter, change to -A3, -X3, -O3, -Z3
 For EBT720 or 721 with Australian AC adapter, change to -A4, -X4, -O4, -Z4

accessories

Alnor® EBT720 and EBT721

AC Adapters		part #
EU		8710-EUA
United Kingdom		8710-UKA
Australia		8710-AUA
USA		8710-USA

Electronic Balancing Tool—EBT721

The EBT721 Balometer Electronic Balancing Tool features a detachable multi-purpose digital manometer that can be used with a variety of common test and balance tools, such as pitot, air foil, temperature, relative humidity probes or a 16-point velocity matrix. It will become the tool of choice for contractors and facilities personnel because of its ergonomic design and extremely light weight.



model

model number	description
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
EBT720-Z1	-O1 plus Relative Humidity/Temperature probe, Air Flow Probe

Note: For EBT720 or 721 with European AC adapter, change to -A2, -X2, -O2, -Z2
 For EBT720 or 721 with UK AC adapter, change to -A3, -X3, -O3, -Z3
 For EBT720 or 721 with Australian AC adapter, change to -A4, -X4, -O4, -Z4

accessories

Alnor® EBT720 and EBT721

Velocity matrix	part # 801090	12 in. pitot probe	part # 634-634-000
Air foil probe	part # 800187	18 in. pitot probe	part # 634-634-001
Temperature probe	part # 800188	24 in. pitot probe	part # 634-634-002
Temp/Humidity probe	part # 800189	36 in. pitot probe	part # 634-634-003
		60 in. pitot probe	part # 634-634-004

Additional Hoods (EBT721 Balometer)

2 ft x 4 ft and 1 ft x 4 ft hoods & frame kit	part # 801094
3 ft x 3 ft and 1 ft x 5 ft hoods & frame kit	part # 801095

specifications

range	DIFFERENTIAL PRESSURE	±15 in. H ₂ O, (3735 Pa) 150 in. H ₂ O 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 ₂ O (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
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
	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	-A1 plus 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, -O2, -Z2
For EBT720 or 721 with UK AC adapter, change to -A3, -X3, -O3, -Z3
For EBT720 or 721 with Australian AC adapter, change to -A4, -X4, -O4, -Z4



TSI, Alnor Products
500 Cardigan Road
Shoreview, MN 55126-3996 USA
E-mail customerservice@alnor.com
Web www.alnor.com

TSI AB
Lindberghs Gata 9,
195 61 Arlanda Stad, Sweden
Telephone +46 8-595 132 30
Fax +46 8-595 132 39
Email: tsiab@tsi.com

Jan 2004
Printed in U.S.A.
Part # 2980260
© Copyright 2004 TSI Incorporated

FOR MORE INFORMATION CALL ALNOR TOLL-FREE

1.800.424.7427

customerservice@alnor.com

OR PHONE 651.490.2811 FAX 651.490.3824 WEB www.alnor.com