

[AXD 560 and AXD 540 Micromanometers

The Alnor AXD Micromanometers are rugged, compact, easy-to-use instruments for measuring differential and static air pressure, velocity, and volume. Test and balance professionals, mechanical contractors, and plant engineers choose Alnor micromanometers for verifying pressure gauges, doing velocity traverses in ducts, checking filter performance, and other industrial applications. The AXD micromanometers have excellent resolution, fast response time, and are easily zeroed to ensure accurate readings every time.

The AXD 540 measures pressure, calculates velocity when used with a pitot probe, and calculates averages of pressure or velocity readings. It has an adjustable time constant to make fluctuating measurements easier to read on the display. A printout of your readings is available when using the optional MicroPrinter Portable Printer with the AXD.

The AXD 560 Micromanometer adds better resolution, advanced calculations, and data logging abilities. It calculates volume automatically when duct size and shape are entered, and stores up to three different K factors for use when measuring volume. This model also converts between actual and standard velocity or volume readings, stores up to 1000 samples, and calculates statistics for the stored samples. All the stored data can be reviewed on the instrument display or downloaded to a computer spreadsheet using the supplied Alnor downloading software.

Both the AXD 540 and the AXD 560 are available alone or as kits containing the accessories needed to make a variety of pressure, velocity, and volume measurements.

Downloads to a PC or microprinter



Large, easy to read display

Automatically calculates volume and velocity



comparison chart

	AXD 560	AXD 540
reads pressure	●	●
reads velocity	●	●
reads volume	●	
K-factors	●	
density correction	●	
data averaging	●	●
data logging	●	
printer output	●	●

AXD Micromanometers

specifications

		AXD 560	AXD 540
range	PRESSURE	-5 to 15 in. H ₂ O (-1245 to 3735 Pa)	-5 to 15 in. H ₂ O (-1245 to 3735 Pa)
	VELOCITY	250 to 15,500 ft/min (1.27 to 78.7 m/s)	250 to 15,500 ft/min (1.27 to 78.7 m/s)
	VOLUME	up to 9,999,000 ft ³ /m, m ³ /h, l/s	NA
resolution		0.0005 in. H ₂ O (0.1 Pa)	0.001 in. H ₂ O (1 Pa)
accuracy	PRESSURE	±1% of reading ±0.005 in. H ₂ O (±1% of reading ±1 Pa)	±1% of reading ±0.005 in. H ₂ O (±1% of reading ±1 Pa)
	VELOCITY	±1.5% of reading at 2000 ft/min (10.16 m/s)	±1.5% of reading at 2000 ft/min (10.16 m/s)
	VOLUME	depends on velocity	NA
units	PRESSURE	in. H ₂ O, Pa, mm Hg	in. H ₂ O, Pa, mm Hg
	VELOCITY	ft/min, m/s	ft/min, m/s
	VOLUME	ft ³ /m, m ³ /h, l/s	NA
K-factor range		0.01 to 999.9	NA
data averaging		NA	255 readings
data storage		1000 samples	NA
time constant		1, 5, 10, 15, or 20 seconds	1, 5, 10, 15, or 20 seconds
display		4 digits, 0.6 inches (15 mm) high	4 digits, 0.6 inches (15 mm) high
dimensions		3.5 in. x 6.6 in. x 1.6 in. (89 mm x 168 mm x 41mm)	3.5 in. x 6.6 in. x 1.6 in. (89 mm x 168 mm x 41mm)
instrument weight		0.72 lb (0.33 kg)	0.72 lb (0.33 kg)
batteries		four AA-size alkaline cells	four AA-size alkaline cells
battery life		40 hours typical	40 hours typical

specifications are subject to change without notice.]

ordering information

model number	description	
AXD540	(U.S.)	Meter with protective pouch, 4 AA-size batteries, NIST-traceable calibration certificate in English or metric units, and manual
AXD540M	(metric)	
AXD542	(U.S.)	Kit containing AXD 540 meter, carrying case, 18 inch pitot probe, 2 static pressure probes, 100 duct plugs, 4 AA-size batteries, NIST-traceable calibration certificate in English or metric units, and manual
AXD542M	(metric)	
AXD560	(U.S.)	Meter with protective pouch, downloading cable and software, 4 AA-size batteries, NIST-traceable calibration certificate, and manual
AXD560M	(metric)	
AXD562	(U.S., 120V)	Kit containing AXD 560 meter, MicroPrinter (with 120V, 230V European, or 230V Great Britain charger), carrying case, 18 inch pitot probe, 2 static pressure probes, 100 duct plugs, downloading cable and software, 4 AA-size batteries, NIST-traceable calibration certificate, and manual
AXD562M	(metric, 230V Euro)	
AXD562GB	(metric, 230V GB)	
MP8522	(U.S.)	MicroPrinter with 120V, 230V European, or 230V Great Britain charger, printer cable, and paper
MP8522M	(230V Euro)	
MP8522GB	(230V GB)	

