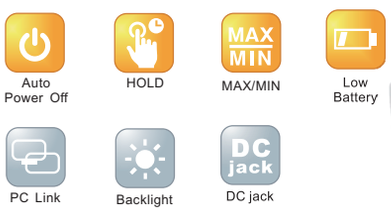
NEW



AZ8251 8251
AZ8253 8253
AZ8255 8255

High Precision Micromanometer
8251 (100Pa), 8253 (250Pa),8255 (500Pa)

- ■Measure ultra-low differential pressure in budget
- ■Best accuracy up to ±1Pa (Model 8251)
- ■Manual zeroing feature built-in
- ■Display pressure change from baseline
- ■5 units for selection (metric, imperial)
- ■Accumulative time shows in recording period
- ■2 size hose metal lug available: 4mm and 8mm
- ■Application：Cleanroom, hospital HEPA check, HVAC.





Model	8251	8253	8255
Range & (Resolution)			
Pa ±	100.0 (0.1/0.01/0.001)	250.0 (0.1/0.01/0.001)	500.0 (0.1/0.01/0.001)
mmHg ±	0.75 (0.001)	1.88 (0.001)	3.75 (0.001)
mbar(hpa) ±	1.00 (0.001)	2.50 (0.001)	5.00 (0.001)
inH2O ±	0.402 (0.001)	1.004 (0.001)	2.007 (0.001)
mmH2O ±	10.2 (0.01)	25.5 (0.01)	51.0 (0.01)
Accuracy (0~50°C)	± 1.0% of full scale		
LCD update time	0.5 second		
Compensated temp. range	0~50°C		
LCD size (mm, HxW)	29x51		
Operating temp.	0~50°C		
Operating RH%	Humidity < 80%		
Storage temp.	-20~50°C		
Storage RH%	Humidity < 90%		
Dimension(mm,LxWxT)	182x72x30		
Weight	~225g		
Battery	9V battery or adaptor		
Power consumption	6.9mA, about 18 hours battery life time		
Standard Package	Meter/ battery/ manual/ connection hose/ hard carry case		

Super Easy !

Manual zeroing before each use





PC connection to real time download measuring



USB CABLE & SOFTWARE
P/N: VZUSBAZM

Optional

RUBBER HOLSTER / STAND
P/N:VM68601HA, BLUE
P/N:VM68601HS11+VM68601HSA, GREY



TUBING FOR MANOMETERS
P/N:VW88205B
Orange/fit 4mm lug/500mm long

P/N:VW88230A
White color / fit 8mm lug /500mm long

Ordering Code
VZ8251AZ, 100Pa 4mm manometer
VZ8253AZ, 250Pa 4mm manometer
VZ8255AZ, 500Pa 4mm manometer
***for 8mm metal:VZxxxxAZBM**
VZUSBAZM, software kit
VB109BAZ, 9V universal adaptor

***Available for EB project**



MANOMETER & MICROMANOMETER

From 100 Pa to 100 psi — 8 Precision Ranges, One Perfect Fit

100 Pa *Precision Where Zero Drift Matters*



The flagship micro-pressure meter trusted by fabs, biosafety labs, and GMP cleanrooms for audit-ready accuracy.

5～6 psi *Catch the Leaks Others Miss*



More sensitive than standard gauges, built to detect micro leak-downs in pneumatic circuits and automotive component testing.

250 Pa *Everyday Cleanroom Companion*



The economical, precise choice for HEPA filter checks, FFU commissioning, and routine facility rounds.

15 psi *Data-Backed Filter Change Decisions*



One reading tells technicians when compressor line filters or RO membranes need replacing, rugged enough to outlast the vibration that kills fixed gauges.

500 Pa *The Standard for Airflow Verification*



To measure dynamic pressure for ventilation diagnostics. Built for mandatory safety compliance checks.

30 psi *Verify What Fixed Gauges Can't*



Field-check pump and filter differentials with confidence. Built for cooling water systems and mid-pressure process lines.

1～2 psi *When 500 Pa Isn't Enough*



Engineered to survive dust collector pressure spikes past 3,000–4,000 Pa — the rugged mid-range choice for heavy industrial monitoring.

100 psi *The Toughest in the Handheld Lineup*



Full-scale 100 psi range built to handle main plant air lines, high-pressure washers, and hydraulic circuit checks.