

Druck Precision Barometer

Our most accurate barometer

- Range: 22 to 34 "Hg Absolute Pressure
- Improved $\pm 0.02\%$ FS Accuracy
- Six-Digit Resolution
- Selectable Pressure Units
- RS-232 Output
- Portable, Handheld Design
- Optional $\pm 0.013\%$ FS Accuracy

This instrument is compact and tough enough for field applications, yet accurate enough for use as a barometric reference standard. Its range is 22 to 34 "HgA, and values can be read in any of

20 selectable engineering units, including PSI, "H₂O, mmHg, BAR, and kPa. It also displays altitude equivalents in feet and meters. Max/min, reading store, tare, and programmable filter functions are built in. The 23039P's proprietary sensing element provides excellent accuracy as well as outstanding long-term calibration stability. An RS-232-C port enables data output to printer or computer. Designed for handheld or bench applications, the unit features an integral folding stand.

Each Unit Includes: Three AA alkaline batteries, carrying case, calibration certificate, and operating manual.



DPI740-22/34

Specifications

Range/Accuracy:	22 to 34 "HgA/ $\pm 0.02\%$ FS
Enhanced Accuracy Option:	$\pm 0.013\%$ FS
Resolution:	0.0003 "Hg
Display:	Alphanumeric LCD, 6-digits, 0.54" high
Overpressure Limits:	No calibration change between 0 and 118 "Hg
Stability:	Better than 100 ppm per year
Media:	Non-corrosive gases
Pressure Connection:	1/4" OD, 5/32" ID tubing
Serial Output:	RS-232-C, via 6-way LEMO socket
Power Supply:	Three AA alkaline batteries
Size/Weight:	7.5 x 3.5 x 1.4" HWD/1.1 lbs

Ordering Information

Order #	Mfg #	Description	Price
MP23039P	DPI740-22/34	Portable Precision Barometer, 0.02%	
MP23039P-A	DPI740-22/34-A	Portable Precision Barometer, 0.013%	
MPIA2067-1-V0		RS-232 Adaptor Lead	
MP860-114	860-114	Transit Case	

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Meriam Precision Absolute Manometer

Excellent accuracy in a handheld unit

- Accuracy $\pm 0.02\%$ or Better
- Measures Absolute Pressure to 900 or 2000 mmHg in 7 Selectable Engineering Units
- Accuracy Includes Effects of Linearity, Repeatability, Hysteresis, and Temperature
- Isolated All-316SS Sensor Compatible with Liquids and Corrosives
- Adjustable Damping Eliminates Effects of Pulsating Pressures, Tare Function Enables Vacuum and Gauge Measurements, Min/Max Captures Signal Extremes

- Altitude Function Lets You Enter Site Altitude in Feet or Meters, Then Display Either Local Barometric Pressure or Pressure Corrected to Sea Level. Also Used to Measure Changes in Altitude (Perfect for Surveying Applications)

The exceptionally accurate and versatile 24463P/65P offers functions and features usually found only on bulky benchtop instruments. Available in two ranges, each with CSA intrinsic safety option.

Each Unit Includes: 9V alkaline battery, soft vinyl carrying case, and operating instructions.



355-AI0900

Specifications

Ranges:	0 to 900 mmHgA, 24463P; 0 to 2000 mm HgA, 24465P
Accuracy	
24463P	$\pm 0.02\%$ FS
24465P	$\pm 0.015\%$ FS, 0 to 1000 mmHg; $\pm 0.025\%$ F.S., 1000 to 2000 mmHg
Display:	5-digit alphanumeric LCD, 2 lines x 16 characters, w/adjustable contrast
Engineering Units:	Selectable from mm Hg, PSI, "Hg, mBAR, BAR, kPa, Torr
Process Connection:	1/8" female NPT, 316SS
Operating Temp.:	23 to 122 F (-5 to +50°C)
Power Supply:	9V alkaline battery (lithium recommended for use below 32°F/0°C)
Size/Weight:	6.5 x 3.6 x 2.25" HWD/14 oz

Ordering Information

Order #	Mfg #	Description	Price
MP24463P	355-AI0900	Absolute Manometer, 0 to 900 mmHgA	
MP24463P-CSA	355-AI0900	Absolute Manometer, 0 to 900 mmHgA, CSA Approved	
MP24465P	355-AI2000	Absolute Manometer, 0 to 2000 mmHgA	
MP24465P-CSA	355-AI2000	Absolute Manometer, 0 to 2000 mmHgA, CSA Approved	
MP24466P-CS	A900016-50001	ABS Carrying Case	
MPU9VL-J-PC		9V Lithium Battery	

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