PRECISION ABSOLUTE MANOMETER

FEATURES

- **Accuracy Traceable to NIST**
- **Measures Absolute, Gauge or Vacuum Pressure**
- **Isolated Sensor for Use with Many Fluids**
- **Push Button Tare Feature**
- **Barometric Pressure - Local or Adjusted to Sea Level**
- **CE Compliance**
- **Intrinsic Safety (CSA) Option**

The Model 355 Precision Absolute Manometer puts calibration bench accuracy in a portable, handheld unit. The pressure sensor is all 316 stainless steel allowing it to be used with liquids, gases and corrosives compatible with 316 stainless steel. This combination of accuracy and fluid compatibility makes the Model 355 ideal for test or process applications. The Model 355 has a programmable altitude function that allows the user to enter the site altitude above sea level in feet or meters. This allows the user to chose between displaying local barometric pressure or pressure corrected to sea level. User set altitude or altitude based on U.S. Standard Atmosphere of 1962 can be displayed. The altitude function used with the Min/Max and Tare makes the Model 355 useful as a surveyor's tool by accurately measuring changes in altitude.

SPECIFICATIONS

Approvals:	CE compliant and CSA Intrinsically safe (Optional)
Display:	5 significant digit LCD (0.25” high), 2 line x 16 alphanumeric characters
NIST Traceability:	NIST certificate supplied for all models.
Power:	9-volt alkaline battery with user enabled automatic shut off. 9 volt Lithium battery is recommended for use below 32°F (0°C)
Temperature:	Storage: -40°F to 140°F (-40 to 60°C)
	Operating: 23°F to 122°F (-5° to 50°C)
Process connections:	1/8” female NPT, 316 stainless steel.
Enclosure:	14 ounce (6.5” X 3.6” X 2.25”) ABS plastic case. (Includes soft vinyl carrying case)
Media Compatibility:	Isolated AI sensor for fluids compatible with 3l6 stainless steel
Pressure Limits:	4000 mm Hg Abs (AI0900 and AI2000)
Tare:	Sets display to zero to allow measurement of vacuum, gauge pressure or change in altitude.
Min/Max Capture:	Capture speed is equal to the selected damping rate
Damping Rates:	User selectable from 0.1 to 25 seconds
Engineering Units:	mm Hg, PSI, in. Hg, mbar, Bar, kPa, Torr.
Altitude:	Displayed in feet or meters. Can be set by user based on map or trig marker information.
Standard Altitude:	Uses U.S. Standard Atmosphere of 1962 data.
Contrast Adjustment:	Adjusts display for easier viewing
Accuracy:	± 0.02% F.S. (F.S.=900 mm Hg abs)

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