

Precision Absolute Manometer



355 Precision Absolute Manometer

Meriam's model 355 Precision Absolute Manometer puts calibration bench accuracy in a portable, handheld unit. The pressure sensor is all 316ss allowing it to be used with liquids, gases and corrosives compatible with 316ss. This combination of accuracy and fluid compatibility makes the 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 choose 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.

Standard Features on the Model 355 Precision Absolute Manometer

- **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, 316ss.
- **Enclosure:** 14 ounce (6.5" X 3.6" X 2.25") ABS plastic case.
- **Media compatibility:** Isolated AI sensor for fluids compatible with 316ss.
- **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
- **Selection of 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:**
355-AI0900
± 0.02% F.S. (F.S.=900 mm Hg abs)
355-AI2000
± 0.015% F.S.* from 0-1000 mm Hg A
± 0.025% F.S.* from 1000-2000 mmHg A
*(F.S. = 2000 mm Hg Abs)

355 Ordering Information

355-AI0900	0-900 mm Hg Abs. (Includes soft vinyl carrying case)
355-AI2000	0-2000 mm Hg Abs. (Includes soft vinyl carrying case)

Smart Manometer Accessories



Several accessory items are available for Smart Manometers and Digital Manometers to help complete your pressure calibration needs. Multi-bay carrying cases provide convenient portability and organization of fittings, hand pumps, tubing and up to two manometers.

Description	Part Number
Dual Bay Carrying Case(see photos at left)	A900016-50001
Single Bay Carrying Case for Digital Mano	A34957
Pressure Hand Pump	961P
Vacuum Hand Pump with vernier variator	961V
Pressure Vacuum Variator (lab use)	971A3
Connector Kit – includes fittings, tees, tubing and reducers to fit up to most pressure instruments	A34386
One valve, push to read equalizing manifold for differential models only	A900020-90772