

Magnum Pro

CALIBRATION PUMPS



M-80

Low Volume Pressure Chamber

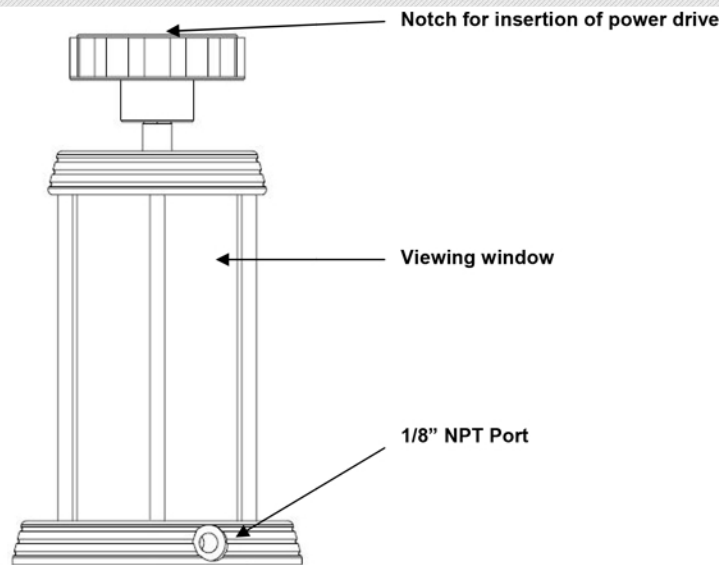
Capable of extremely high resolution (0.0001 psi) as it spans the range of near absolute vacuum to low pressures (30" Hg - 80 PSI). It's rugged outer housing and dual o-ring design ensures zero leakage. Not only is the M-80 bench mountable, but it's relative light weight (3.5 lbs) makes it perfect for field use as well. Optional power drive supplied to rotate the vernier at a quicker pace in-order to speed up your calibrations.



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M-80 Low Volume Pressure Chamber

Specifications

Resolution: 0.0001%

Range: 30" Hg to 80 psi

Connections: Two 1/8" NPT female ports (gauge & Process)

Materials: Delrin® plastic handle, nitrile o-rings, brass, aluminum, polycarbonate.

Weight: 3.5 lbs (1.59 kg)

Warranty: 2-year "quibble free" warranty.

Compatible with all gauges and calibrators. Made in the USA.

Models

M-80.....

M-80KT.....

includes Pressure Chamber, ball valve, (2) 2ft non-stretch hoses w/ fittings, a portable handheld power drive, rechargeable lithium battery, and charger.

M-80WIN.....

includes everything in the M-80KT plus Winchester Engineering Model 1 Auto Ranging Digital Gauge™ w/ N.I.S.T. certification (0.1% accuracy of reading from absolute zero to 3,000 psi).

M-80TH.....

includes everything in the M-80KT plus a Thommen® differential pressure calibrator (0.1% accuracy full scale with a resolution of 0.001" H₂O differential).

Features

- Extremely high resolution.
- Excellent stability for low pressure calibrations.
- Patented optional power drive with rechargeable lithium batteries allow the user to rapidly span the range without having to manually turn the knob.
- Dual O-rings insure zero leakage, a solid feel, and very smooth operation.
- Bench Mountable.

Operation

1. Connect hose to one side of the 3-way valve.
2. Connect the other end of hose to the calibrator.
3. Connect another hose to the tapped port on the opposite side of the base.
4. Rotate handle up or down for pressure or vacuum.
5. To vent the chamber, rotate handle towards the open port on the valve.
6. If using a power drive:
 - A. Insert power drive into hole in the top of the knob.
 - B. Set power drive to slow speed, and the direction desired.
 - C. Press trigger and watch calibrator so as not to exceed the calibrator's pressure rating.

Points to Remember

- Do not use with liquids.
- If using a power drive (Such as the one included with the M-80KT), set to slow speed to prevent damaging the knob.
- Holes have already been provided in the base for bench mounting.

Maintenance

No routine maintenance is required. A periodic check of system calibration is recommended, however. While the M-80 is field serviceable it is recommended it be returned to East Hills Instruments if repair is needed. Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

WARRANTY/DISCLAIMER

East Hills Instruments, Inc. warrants this unit to be free of defects in materials and workmanship for a period of twenty-five months from date of purchase. East Hills Instruments' warranty adds an additional one month to the normal twenty-four month product warranty to cover handling and shipping time. This insures that all customers receive maximum coverage on each product. If the unit malfunctions, it must be returned to the factory for evaluation. East Hills Instruments' will issue a return merchandise authorization (RMA) number immediately upon filling out the RMA form on our website. If the product is found to be defective upon examination by the Repair Department, the product will be repaired or replaced at no charge. This warranty also includes damage that may have occurred in the regular activities that the pump is designed for (Including accidental dropping of the product, as it is designed to withstand considerable damage). Unauthorized repair attempts or modification of the product may result in voiding of the warranty, and should be avoided.

RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the East Hills Instruments Customer Service Department. Before returning any product(s), purchaser must obtain an RMA number via our website in order to avoid