



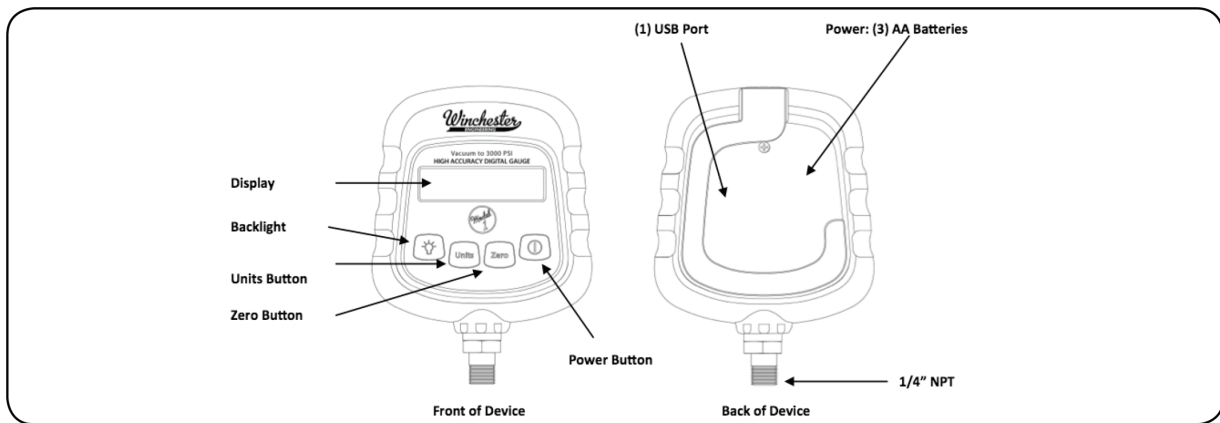
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*\*The image shown includes the optional hook*

# MODEL 1

## Auto-Ranging Digital Gauge™

The Model 1 Auto-Ranging Digital Gauge™ is a breakthrough in technology that Winchester Engineering, a subsidiary of East Hills Instruments, is proud to present. The Model 1 eliminates the need to use several gauges of different ranges to achieve and maintain high accuracy. The Model 1 uses patent pending technology to span the range from absolute vacuum to 3,000 psi while maintaining 0.1% of reading accuracy across the entire span.



## SPECIFICATIONS

**Accuracy:** 0.10% of reading

### 0.1% of Reading

+/-0.1% of reading +/-0.01 FS +/- 1 digit.

For 0 to 64.5 PSI A (0 to 50 PSIG) FS is 64.5 PSIA (0 to 50 PSIG).

For 64.5 to 3014.5 PSIA (50 to 3000 PSIG) FS is 3014.5 PSIA (50 to 3000 PSIG)

**Range:** -30 Hg to 3,000 psi (0-208 bar)

**Connections:** Process - 1/4" NPT Male

Materials: Stainless steel valve, rubber housing, electronic board, AA batteries.

**Units:** psi, kPa, mmHg, inHg, inH2O, mmH2O, kg/cm2, Bars-Absolute, psiAbsolute, mBarAbsolute, mmHgAbsolute, Bar, mBar.

**Weight:** 1.6 lbs (0.726 kg)

**Warranty:** 2-year "quibble free" warranty.

## FEATURES

- Intrinsically safe: Exia Class I,II,III div. 1
- Powered by 3 AA batteries with 500 hours of rated battery life.
- Rugged, shock-proof design with included rubber housing and setback threads protect from dropping damage.
- No cold welds means a gauge that can be tightened and loosened without a wrench—and with virtually no risk of gauge breakage
- Recertification date reminder with 10-year memory.

## MAINTENANCE

A 1 year calibration is required. A periodic check of system calibration is also recommended, however. The Model 1 is not field serviceable and should be returned to East Hills Instruments if repair is needed (A field repair should not be attempted and may void the warranty). Be sure to include a brief description of the problem plus any relevant application notes

## OPERATION

1. Press the power button. As it is loading up it will display the software version, the serial number of the gauge, the battery power level, and the calibration due date.
2. Press and hold the "Zero" button for one second to set the gauge to zero (It is normal for the thousandths digit to rise and fall slightly after this is done).
3. Use thread tape seal on the 1/4" NPT threads prior to mounting the gauge onto a pressure source.
4. After mounting on a pressure source, bring the pressure up to the desired level and wait a moment for it to stabilize before taking readings.
5. If different units are desired, press the "Units" button to cycle through the choices. (See specifications)

## POINTS TO REMEMBER

- The Model 1 is shipped with three (3) AA batteries already installed, ready to use.
- If ordered as part of the MVP-600WIN or M-10WIN packages, the Model 1 comes with the respective hand pump to be used as a pressure source. Both the pump and gauge are ready for use out of the box, and can be removed from one another if needed.
- The Model 1 has been compensated for temperatures ranging between 0°C and 40°C (0°F and 104°F).
- As the Model 1 climbs in pressure, the display automatically reduces the number of decimal places shown, starting with the thousandths (0.000) at the lowest of pressures, then the hundredths (100.00), and lastly the tenths (1,000.0).
- For Absolute Pressure Measurements, set Units to Absolute and reboot Gauge.

**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 processing delays. The assigned RMA number should then be marked on the outside of the return package and on any correspondence. The purchaser is responsible for any shipping charges, freight, insurance and proper packaging to prevent breakage in transit.