

Winchester

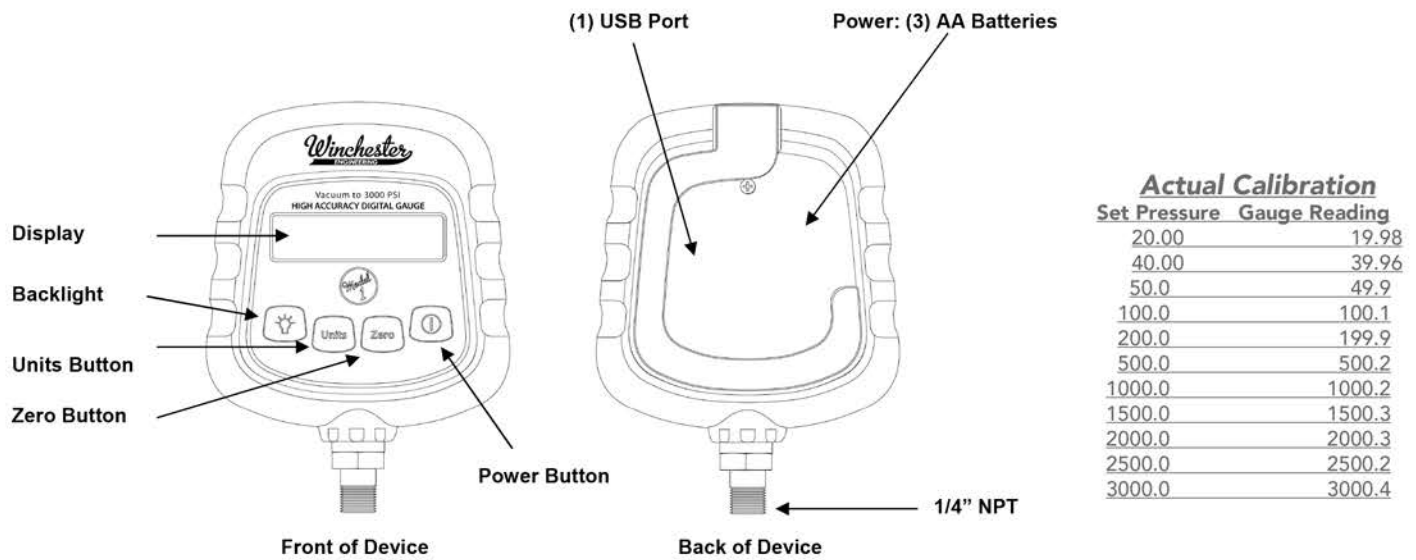
ENGINEERING



Model 1

Auto Ranging Digital Gauge™

The Model 1 will replace the need to use many gauges of different ranges to achieve and maintain high accuracy. Model 1 also functions as an absolute pressure gauge. The auto-ranging technology uses multiple piezoresistive sensors to read the entire range using just one gauge where it would otherwise require up to seven of our closest competitors digital gauges. Certification costs are lowered by reducing the number of gauges. It's rugged, shockproof design comes equipped with a protective rubber housing. Large, easy-to-read, one-line display with vibrant backlight is perfect for any light condition.



Model 1 Auto Ranging Digital Gauge

Specifications

- Accuracy:** 0.1%
- Range:** -28 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, BarsAbsolute, psiAbsolute, mBarAbsolute, mmHgAbsolute, Bar, mBar.
- Weight:** 1.6 lbs (0.726 kg)
- Warranty:** 2-year "quibble free" warranty.

Models

- Model 1**.....
 - Model 1KT**.....
- includes Gauge, N.I.S.T. calibration certification, adaptor, case, versatile hook, and extra filter.

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

No routine maintenance is required. A periodic check of system calibration is recommended, however. The Model 1 is not field serviceable and should be returned to East Hills Instruments Europe 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 page one).
6. The USB port on the back can be used to install software updates as they become available.
7. The USB port on the back can also be used for logging data on readings collected.

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 installed on 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.