Winchester ENGINEERING
"We can handle the pressure" ™

East Hills Instruments

MODEL 1

Auto-Ranging Digital Gauge™

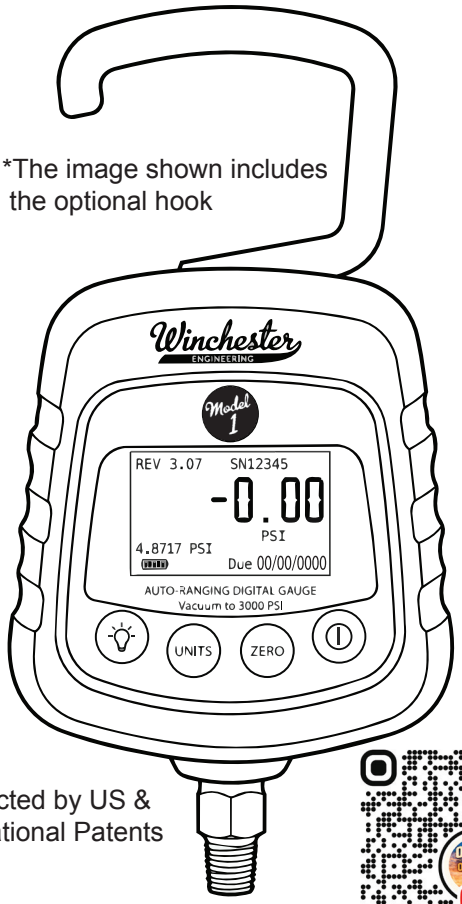
2 YEAR "QUIBBLE-FREE" WARRANTY

INDUSTRY **GAME CHANGER**

With the use of our patented A.R.T. (Auto Ranging Technology™) the MODEL 1 is the first and only digital gauge capable of spanning from Absolute vacuum to 3000psi while maintaining a 0.1% of Reading.

With this new and improved accuracy and large and vibrant SMART display, it puts the MODEL 1 truly in a league of its own!

*The image shown includes the optional hook



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AUTO-RANGING TECHNOLOGY™

ONE GAUGE. FROM ABSOLUTE VACUUM TO 3000 PSI.

ACCURACY

+/- 0.1% of Reading, +/- 0.01% fs, +/- one digit
<50PSI fs = 50PSI,
>50PSI fs=3000

RANGE

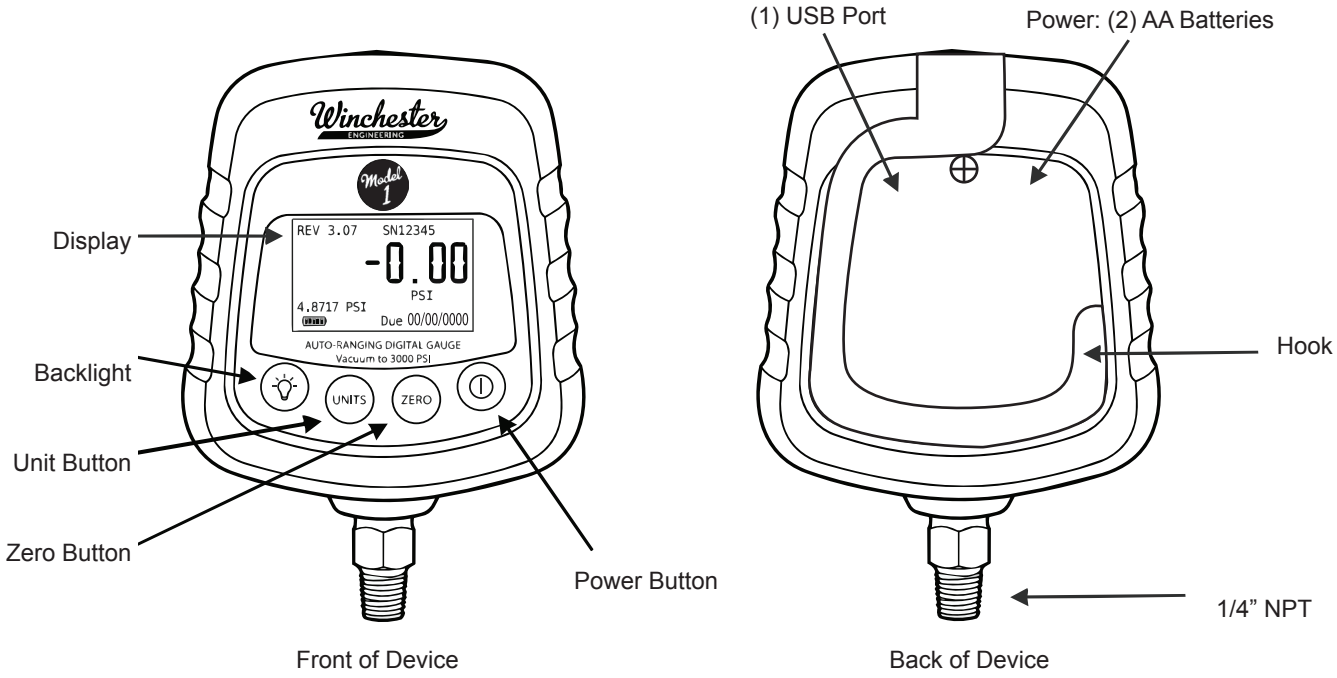
-27 In Hg to 3,000 psi
(0-208 bar

WEIGHT

1.6 lbs (0.726 kg)

MODEL 1 HIGH ACURACY AUTO RANGING DIGITAL PRESSURE GAUGE

VACUUM TO 3,000 PSI | **0.1% OF READING** | **1/4” NPT MALE** | **2-YEAR WARRANTY**



Front of Device

Back of Device

SPECIFICATIONS

Accuracy: +/- 0.1% of Reading, +/- 0.01% fs, +/- one digit <50PSI fs = 50PSI, >50PSI fs=3000
Range: -27 In 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, inH20, mmH20, 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.
➔Recertification date reminder with 10-year memory.
➔Safety hook can hold a person.

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.

EAST HILLS INSTRUMENTS **60 Shames Drive Westbury, NY 11590** **800-921-9494 • 516-723-9900**