



Congratulations, you have purchased the most advanced digital pressure gauge in the world. The Weiss SolarMetriX® light powered pressure gauge provides 1/2% full scale accuracy and operates continuously, even in low light conditions. No need ever to change a battery or push a button to read. Some special features, not available on any other digital gauge are included to maximize the versatility and to customize for your application.

(Model DUGY-T, 4 to 20mA version - see back for additional instructions)

Three rotary DIP switches are located at the top of the gauge front panel and are accessed by removing the plugs on the lexan window or by removing the threaded ring and glass window. A small screwdriver is used to turn the switches to the desired position. The three switches are used to select the units of measure, zero set, and averaging. Unless otherwise requested the gauge is preset for PSI, zero shift, and no averaging. Replace the plug after the adjustment is made.

The new Weiss SolarMetriX® pressure gauge conforms with ASME B40.1 and 40.7 standards, a familiarity with these standards is recommended before selecting, installing and using pressure gauges.

Zero- The center switch can be used to offset the reading, similar to an adjustable pointer on an analog gauge. Turning clockwise increases the reading by one scale increment, approximately .25% of full scale. Turning counterclockwise reduces the reading by one scale increment, -.25%. You can adjust up or down by four increments.

Scale- Rotating the switch on the left hand side changes the units of measure. Rotate until the desired units appear on the right side of the display. For compound gauges the corresponding vacuum scale will appear on the left.

Averaging- The switch on the right is used to average the pressure readings, similar to damping the pointer in a liquid filled gauge to remove fluctuations due to vibration or line pressure pulsation. One turn clockwise averages the last two readings, two clockwise clicks averages the last 4 readings and three steps will average the last 8 readings.

Vacuum Icons on
leftside of display

Pressure Icons on
rightside of display



Full scale Pressure
range displayed here

Resolution- The Weiss SolarMetriX® pressure gauge includes automatic rounding to standard increments. The first half of the range has display resolution of approximately 1/4% and the upper half of the range rounds to approximately 1/2% of the full scale.

* Over Pressure rating = 2X FS range