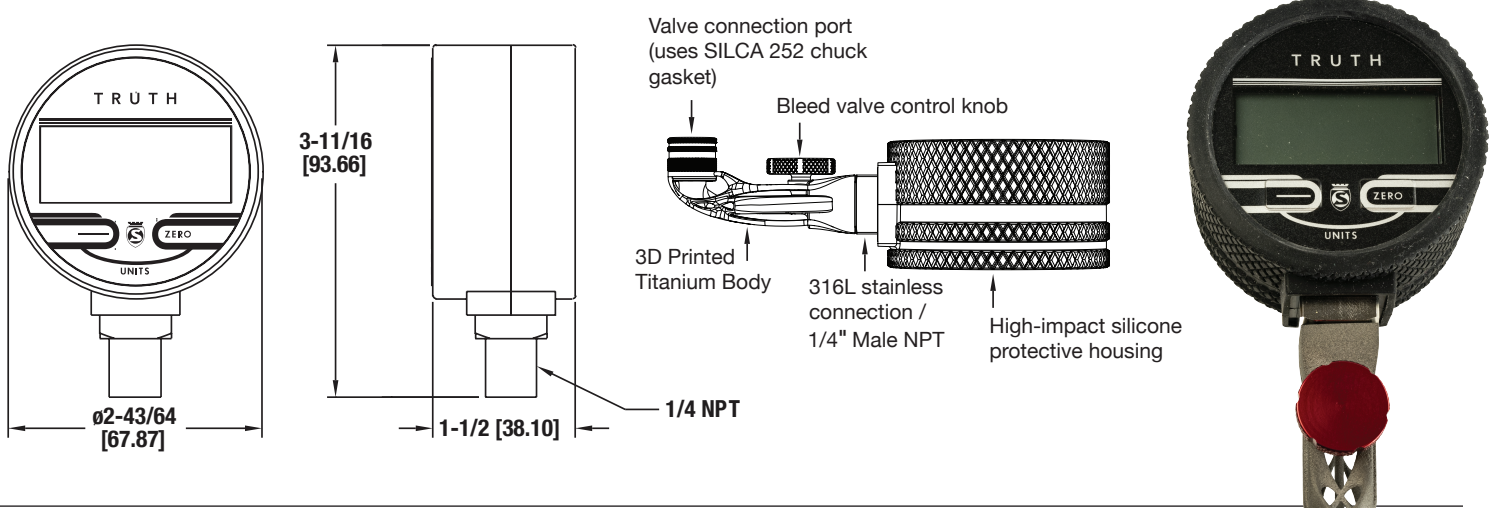




# The TRUTH Digital Pressure Gauges

## Specifications - Installation and Operating Instructions



The TRUTH Digital Pressure Gauge has a precise  $\pm 1.0\%$  full scale accuracy. The four digit digital display will reduce the potential for errors in readings by eliminating parallax error commonly produced with analog gauges.

The TRUTH is packaged in an ABS plastic case. The unit is battery powered and has an auto-shut off to conserve battery life. A two-button key pad allows easy access to the features without the need to work through complex menus. These features include, auto zero, and conversion of the pressure units. Readings may be converted to various engineering units. See the chart for available units.

### OPERATIONS INSTRUCTIONS

For the complete instructions for the functionality of the two buttons, see the flow chart to the right.

**On/Off:** To toggle between on and off. Press the button. Device will automatically shut off after 20 minutes, if not used.

**Zero:** Zeros the display. Push and hold for 2 seconds to zero the display. If after pressing the zero the display does not re-zero, the unit is no longer meeting the specified accuracy and should be sent back to SILCA for calibration. Do not use the Zero button when pressure is applied.

**Units:** To change units, press both On/Off and Zero buttons simultaneously.

**Overpressure Indicator:** The LCD will flash "OFL", if the pressure applied is over 105% F.S. "OFL" may also be displayed when the device is subjected to electromagnetic interference between 0.9 to 1 GHz.

### MAINTENANCE

**Battery Removal:** Remove the outer rubber casing. Unthread the bolt on the backplate. Lift backplate off by hand. Replace battery per polarity indicators. Reverse steps to reassemble gauge.

A "LOW BAT" descriptor indication will appear on the display when batteries need to be replaced.



This symbol indicates waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

**252 Gasket Replacement:** When the rubber gasket has deteriorated, you will need to replace the gasket. Order part: 252 Gasket. Unthread cap. Using a small screwdriver, you can remove the old gasket. Replace gasket and re-thread the cap back into place.


### SPECIFICATIONS

**Service:** Air and compatible gases  
**Wetted Materials:** 316L SS, Silicone sensor  
**Housing Materials:** ABS plastic.  
**Accuracy:**  $\pm 1.0\%$  FS (Includes linearity, hysteresis, repeatability).  
**Pressure Limits:** 2X pressure range. Vacuum range max pressure is 30 psig.  
**Temperature Limits:** 30 to 120°F (-1 to 49°C).  
**Thermal Effect:** 0.05% FS/°F.  
**Size:** 2.62" O.D. x 1.52" deep.  
**Process Connections:** 1/4" male NPT.  
**Display:** 4-digit LCD (.425" H x .234" W digits).  
**Power Requirements:** 9 V alkaline battery. Battery included but not connected.  
**Auto Shut-off:** 20 minute auto shut-off.  
**Weight:** 5.6 oz (160 g).  
**Agency Approvals:** CE.


### BUTTON OPERATION



#### To Turn On & Off:

 Press to turn unit on.  
 Press again to turn unit off.

#### To Zero Display:

 To zero display, disconnect gage from any pressure source. Press and hold zero button until the LCD displays "--", then release.

#### To Change Units:

 To change units, disconnect gage from any pressure source. Press both  &  buttons simultaneously until desired units are displayed.

### PRESSURE UNITS + RANGES

psi	kg/cm <sup>2</sup>	bar	in Hg	ft wc	kPa	oz/in <sup>2</sup>
0 to 200 psi	14.06	13.79	407.2	461.3	1379	3200