



**Part no. 66776**  
Bench Top Valve  
Spring Tester

The PROFORM bench top spring tester is designed to test valve spring pressure ranging from zero to **1000 pounds** (or 454 kgs.) with an indicating resolution of 1 pound (or 0.5 kgs.).

There are TWO modes of operation available:

1. NORMAL mode
2. PEAK mode

This device also has THREE main features:

1. UNIT conversion (lb and kg)
2. Automatic OFF setting
3. BACKLIGHTING

## **MODES**

### **NORMAL mode operating instructions**

1. Turn the digital display on by pressing the ON button. NOTE: The display will initially indicate “lbs” or “kgs” before displaying a zero (see UNIT conversion to change units). If the number is not zero, press the ZERO button to zero the spring tester’s digital display.
2. Center the valve spring between the spring tester’s circular sensor pad and the compression plunger for optimal results.
3. Compress the tester’s plunger by spinning the circular handle at the top of the device. The plunger’s movement will activate the micrometer. Continue to do this until the spring tester’s digital display reads 1 lb (or 0.5 kgs.).
4. Press the “Zero” button on the micrometer.
5. The valve spring is now ready to be tested based on the spring manufacture’s guidelines, which should be included with the springs. Please contact your valve spring manufacturer to obtain testing guidelines if necessary.
6. NOTE: the spring tester includes an vertical stop set screw for easy repeatability. This feature is located on the rear of the plunger.

### **PEAK mode operation**

1. Follow step 1 in normal mode.
2. Slowly press and release the MODE button until the word PEAK appears in the display. Wait for a moment and the device will return to zero.
3. The device is now ready to measure peak pressure.
4. Follow steps 2 through 5 in normal mode.
5. Press button ON/ZERO to clear previous peak value.
6. To return to normal mode; slowly press and hold the MODE button, while holding the MODE button quickly press the OFF button. Release both buttons,

and wait a moment and the device will return to zero in normal mode.

## **FEATURES**

### UNIT conversion (lbs & kgs)

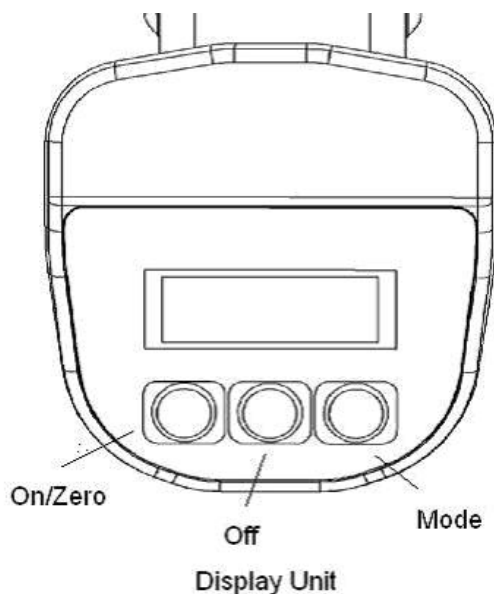
1. Follow step 1 in normal mode.
2. Press the MODE button two times and continue to hold down on the second push, while holding the MODE button, press the OFF button once to change the units. NOTE: When you initially press the MODE button it will show PEAK and then UNIT on the second push.
3. Wait a moment for the device to return to zero and it is ready to use. Repeat step 2 to change the units again.

### Automatic OFF setting (after 5 minutes of inactivity)

1. Follow step 1 in normal mode.
2. Press the MODE button three times and continue to hold down on the third push, while holding the MODE button, press the OFF button once to change the setting. The settings are represented by “0” and “1”. “0” indicates the device will remain on indefinitely, and “1” indicates the device with automatically shut off after 5 minutes of inactivity. NOTE: When you initially press the MODE button it will show PEAK, then UNIT on the second push, and lastly OFFx on the third push.
3. Wait a moment for the device to return to zero and it is ready to use. Repeat step 2 to change the units again.

## **BACKLIGHTING**

1. Turn the device on by pressing the ON button.
2. Wait until the display reads zero then press and hold the ON button; while doing this press the MODE button to turn the backlight on, press MODE again to turn the backlight off.



For addition tech support related to this genuine PROFORM product, please call (586)774-2500,  
Monday-Friday, 9 a.m.-5 p.m. EST, or send an email to [tech@ProformParts.com](mailto:tech@ProformParts.com)