



Part no. 66836
[Digital Mini Valve](#)
[Spring Tester](#)

The PROFORM hexagonal mini spring tester is designed to test valve spring pressure ranging from zero to 700 pounds (or 318 kgs.) with an indicating resolution of 2 pounds (or 1 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 device 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 device.
2. Align the hexagonal portion of the mini spring tester and the valve spring within the compression area of a bench vise or drill press. NOTE: Turn the device display to a suitable position for reading.
3. Compress the device and spring until the desired spring height is achieved. Then take a pressure reading from the device.

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 & 3 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.

