



Part no. 66842

700 lb. [Digital Mini Spring Tester](#)
& Measuring Combo

The PROFORM 700 lb. Digital Mini Spring Tester and Measuring Combo is designed to make testing your valve springs very precise and faster. The large LCD display read up to 700 lbs. in 2 lb. increments. The precision spring height micrometer has a range from 1.500" to 2.295". Max spring diameter is 1.7".

Operation Instructions

1. The precision height micrometer should be preset to the valve spring's installed height (installed height for any given spring is supplied by the spring manufacturer).
2. Place a valve spring into the precision height micrometer.
3. Place entire tool and valve spring into a smooth motion vise by supporting the valve spring so it is centered inside the precision height micrometer.
4. Tighten the vise so the tool and the valve spring are supported without aid.
5. Continue to tighten vise, and compress the spring until it is within millimeters of the precision height micrometer.
6. **DO NOT COMPRESS THE PRECISION HEIGHT MICROMETER WITH VISE, see image below!**
7. Slowly tighten the vise, AND twist the precision height micrometer back and forth +/- 0.005" from the installed height. Loosen vise just enough so that micrometer has some movement at time of measurement. This will ensure an accurate reading.
8. Take your reading.
9. Loosen vise, and repeat steps with next spring.



Please see the next page for digital display instructions

USING THE LCD DISPLAY

MODES

NORMAL mode operating instructions. (This is the primary mode for 66842)

1. Turn the digital display on by pressing the ON button. NOTE: The display will initially indicate “lb” or “kg” before displaying a zero (see UNIT conversion to change units). If the number is not zero, press the ZERO button to zero the tire gauge’s digital display.

PEAK mode operation (not the intended mode for 66842)

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. The peak pressure value will remain on the digital display after the vise is loosened.
5. Press ZERO, to get the display back to zero.
6. To return to normal mode; turn the LCD display off, then on again.

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 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” “1”, and “2”. “0” indicates the device will remain on indefinitely, “1” indicates the device will automatically shut off after 5 minutes of inactivity, and “2” indicates the device will shut off after 10 minutes of inactivity. NOTE: When you initially press the MODE button it will show PEAK, then UNIT on the second push, and lastly OFFL 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 setting 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.