



## Digital Tire Pressure Gauges

**NORMAL GAUGE OPERATION:** Turn on, zero as needed. Battery indicator is on the right side of the display. When needed replace with a quality alkaline 9 volt - door on back of gauge. To extend battery life gauge shuts off after 10 minutes (see below to change). If needed simply turn back on. DO NOT DROP THE UNIT OR GET IT WET.

EXCESSIVE PRESSURE MAY DAMAGE THE GAUGE. See rating.

### Changing settings on new series Digital Tire Pressure gauges

TO CHANGE SETTINGS turn gauge on and hold ZERO button approximately 5 seconds. Display will change to -1-, then change to -2- to -5-. Continue to hold ZERO until the number you want appears. See list below. Release ZERO at that point. Follow instructions.

-1- Not used, factory only

n CONTINUE TO HOLD ZERO BUTTON. DO NOT RELEASE UNTIL YOU GET TO -2-

-2- For setting up automatic shutoff.

n RELEASE ZERO BUTTON HERE TO CHANGE. DISPLAY WILL FLASH **ROn** and **ROff**.

**ROn** indicates always on, no automatic shutoff

**ROff** indicates automatic shutoff

PUSH ZERO AT YOUR CHOICE. IF YOU PUSH **ROff** THE FOLLOWING WILL APPEAR:

**180** indicates the time until auto shutoff in seconds

n PUSH THE ON/OFF TO INCREASE THE TIME TO AUTOMATIC OFF. PUSH ZERO TO DECREASE IT. FOR EXAMPLE 600 (SECONDS) = 10 MINUTES. 5 SECONDS AFTER LAST BUTTON IS PUSHED NORMAL FUNCTION RETURNS

-3- For setting units of measure

n RELEASE ZERO AT THIS POINT. THE UNITS SCROLL ACROSS THE BOTTOM OF THE DISPLAY IN SMALL NUMBERS. PUSH ZERO AT YOUR PREFERENCE.

psi indicates pounds per sq, inch (English measure - USA, other)

Bar indicates Metric measure (UK, EU, others)

Kgm/cm<sup>2</sup> indicated kilograms per square centimeter - Metric

KPa indicates another measure

-4- Not used, factory only

-5- Not used, factory only

END End of setup. Normal function resumes.



## Field Calibration - Digital Gauges

Applies **ONLY** to gauges w. ON/OFF and ZERO buttons with red colored face, not earlier units w. ON/OFF and BACK LITE buttons or silver face.

**RECALIBRATION NOTE:** This gauge can be field calibrated if needed. It requires a very accurate known source of pressure, ideally near the middle of the range you use. Please remember that these gauges are factory calibrated to very close tolerances. If the reading varies from another source **BE CERTAIN THAT THE OTHER SOURCE IS ACCURATE**. If not you may lose the accurate factory calibration. Once you recalibrate this is gone (see below at bottom).

- n TO CALIBRATE turn gauge on and push the ZERO button as you would normally.
- n Connect the gauge to the pressure source that you know is accurate.
- n Push the ON button **and hold it for 6 seconds**. Maintain the pressure source.
- n Release the ON button. After 1 second the display will show - [ - , then start to 'flicker'.
- n Push either the ON (to increase) or ZERO (to decrease) buttons to change the display reading up or down to match the pressure source you are calibrating to.
- n 5 seconds after the last button is pushed the display will show SAVE, then reverts to the pressure reading.

### AT THIS POINT YOU HAVE 2 CHOICES

**To keep this recalibration permanently** - push the ZERO button. This stores the new calibration permanently in the EEPROM and erases the last calibration.

**To keep this recalibration temporarily only** - do NOT push the ZERO button. It will be stored in RAM only and will be lost when the unit is turned off. When turned back on the factory (or last) calibration will return.

**NOTE:** If you choose the temporary option please remember that this gauge has an automatic shutoff, normally after 10 minutes. If either you shut it off or it shuts itself off automatically **your temporary recalibration will be lost**. To avoid this you can disable the automatic shutoff feature. See the previous page. The gauge will then stay on indefinitely. When on constantly like this the battery will easily last several days or more.