

CALIBRATING YOUR NITESTAR >

QUICK START GUIDE

MOVE TO THE START OF THE 1,000 FOOT CALIBRATION COURSE. VERY IMPORTANT! You must select an easily referenced point on your vehicle to line up with the start and finish of your 1,000 foot course. Nu-Metrics recommends your driver side mirror OR even better, open your door and reference a point on the door kickplate. **DO NOT USE YOUR FRONT or REAR BUMPER** simply because they are not easily visible.

1. Turn the Nitestar using the **ON/OFF** button.
2. Make sure the instrument is in **COUNT/HOLD** and press the **1 CAL** key.

NOTE: Nitestar calibration MUST be done while in FOOT mode.

The display will show:

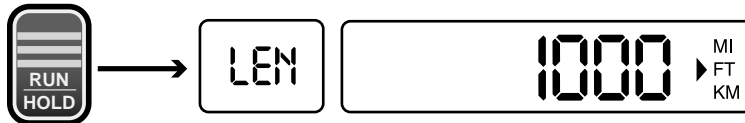


CONFIRM 1000 AS YOUR TEMPORARY CALIBRATION NUMBER: Your new Nitestar will be factory programmed with a calibration number of 1000. This value should remain in the Nitestar until you have found your vehicle's specific calibration number as explained below. If for some reason 1000 is not programmed in, manually type in "1000" and press the **MARK/ENTER** key.

Return to the calibration mode by pressing **1 CAL**.

NOTE: The NITESTAR can store up to 4 different calibration numbers (1 calibration number for 4 different vehicles). This display shows you are working with CAR-1 and is calibrated at 1000 (or 1 foot/pulse). To calibrate for another vehicle, you may step through the 4 calibration car numbers by pressing the **DISP/HOLD** key.

3. Press the **RUN/HOLD** key.



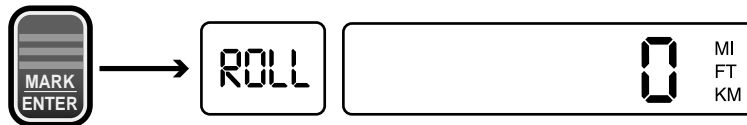
4. The display will show:

This says that the course length is 1000' feet. If your calibration course is different enter the new length. (For a one mile course, you would type in 5280 for a course of 5,280 ft. / 1 mile)

5. Press **MARK/ENTER**

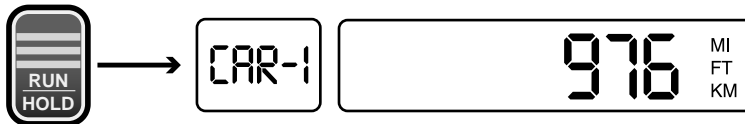
The display will show the below telling you that you can start driving the course and that your pulse count is 0. When you start to move the display will show you the pulses counted. *(The speed window WILL NOT operate at this time).*

NOTE THE FOLLOWING: The value that will display is a tabulation of pulses counted by the instrument and not a distance traveled. Disregard this value and continue with the next step.



6. At the end of the course stop the vehicle carefully so it is aligned with the end of course marker. When the car is stopped press the **RUN/HOLD** key and the display will become your calibration number, (this number should be between 400 and 1400).

976 is the new calibration number for this example.

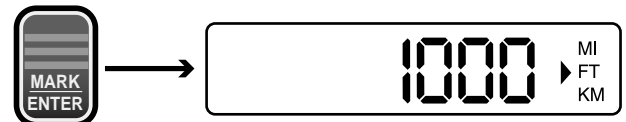


(Your Value May Be Different.)

Please write this number along with the corresponding vehicle you calibrated for in the back of the manual.

7. Press **MARK/ENTER** and your calibration number will be stored.

When you do this the display shows the course length that you travelled ± 1 foot.



8. **SAVE THE VALUE IN THE NITESTAR!** Do this by pressing the **ON/OFF** key so the instrument turns off. This will store all important values in special non-volatile memory.

9. If this is the first time you have calibrated a DMI, please repeat the procedure and see if you get the same calibration value. It usually takes some practice to precisely stop and start the car through a calibration course. **Remember your measurements will only be as accurate as your calibration.**

Still having trouble? Please call Ken or Tim in our Nitestar Support Department, Monday thru Friday, 8am to 5pm EST. --- (724) 438-8750