

## Overview

The Wireless Display is designed for use in conjunction with chuck and drawbar force wireless sensors. The display shows the force, RPM, or other output transmitted by a connected sensor.

## Getting Started

To use the display, press the On/Off button. The unit will briefly display the internal firmware version/revision date.

The display will automatically detect a wireless sensor that has been powered on.

From this point, follow instructions for the particular sensor in use.

When finished, Press On/Off to power down the display. The sensor must be powered down separately.

The display can only communicate with one sensor at a time. The display will connect to the first sensor detected. To switch sensors, simply turn off the first sensor and turn on the second. The display will automatically connect to the second unit.

## Zeroing the Display

The display will automatically zero on powerup. If needed, the display can be re-zeroed at any time by pressing the Zero button.

When peak force display is enabled, pressing the Zero button will also reset the stored peak value.

## Battery Replacement

The Wireless Display uses a standard 9V battery. To replace the battery, open the compartment on the back side.

## Calibration

Unlike measuring bars, the display does not require calibration. However, firmware updates will be available from time to time.



## Specifications

**Weight:** 176 grams / 6.2 oz

**Dimensions:** 130x65x25 mm / 5.1x2.6x1.0 in

**Operating Temperature:** 10-32° C / 50-90° F

**Transmit/Receive Frequency:** 2402-2480 MHz

**Transmit/Receive Range:** 20 m / 66 ft

**Battery:** Standard 9V (rechargeables ok)

**Environmental Protection:** While the display has basic protection from dust, etc., the unit should be kept clean and dry to prevent damage to internal components.

## Useful Conversion Factors

1 kN = 1,000 Newton (N)

1 N = 0.2248 pound-force (lbf)

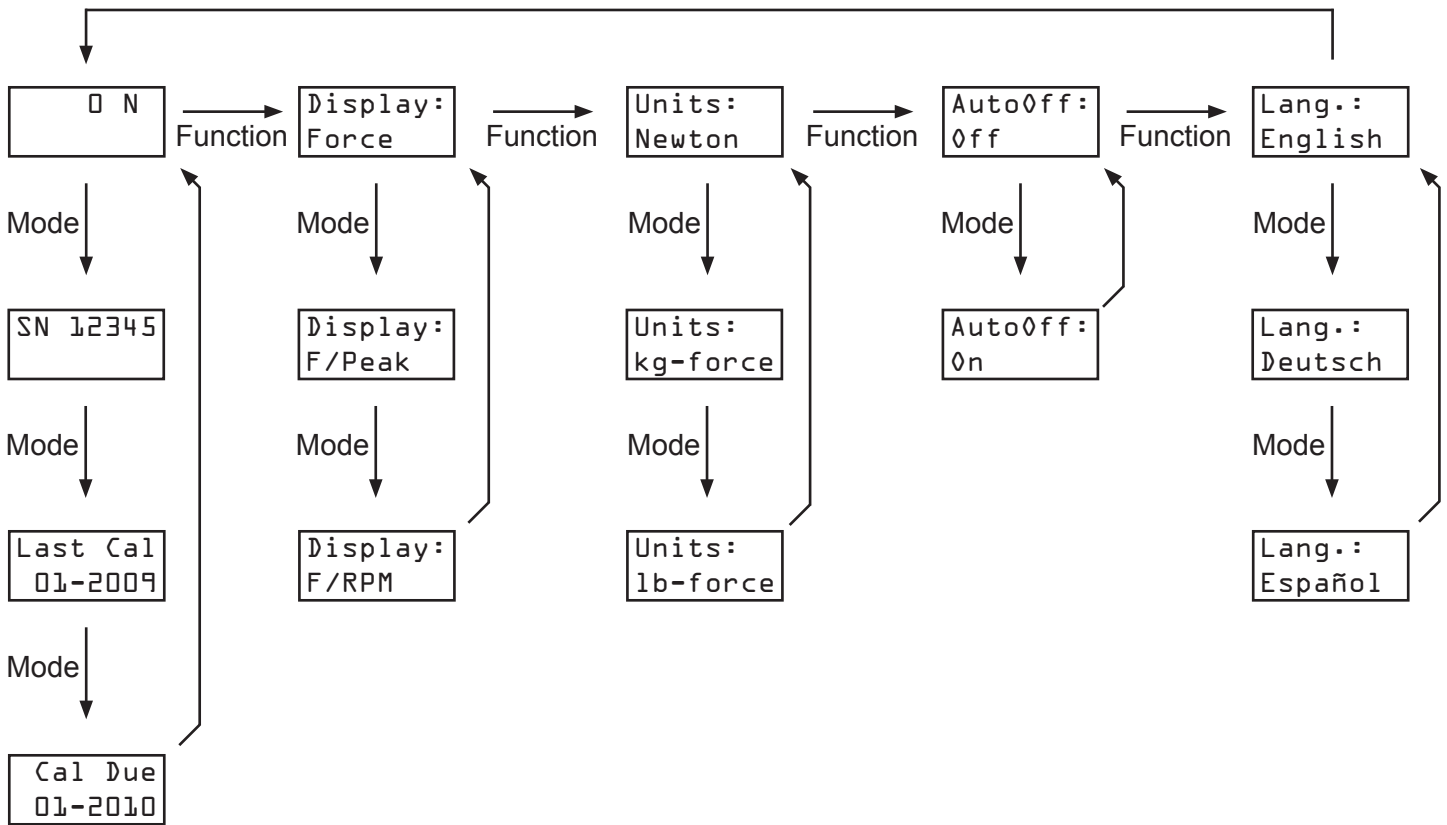
1 lbf = 4.448 Newton (N)

1 N = 0.102 kilogram-force (kgf)

1 N = 0.102 kilopond (kp)

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The Wireless Display has several options that can be selected using the Function and Mode buttons. The chart below outlines the display's menu structure.



**Wireless Display Key**

**Force:** Display measured force only

**F/Peak:** Display current measured force over peak force.

**F/RPM:** Display current measured force over RPM (only active for sensors with RPM measurement capability).

**Units:**  
 Newton: Newtons (1 kN = 1,000 N)  
 kg-force: kilogram-force (equivalent to kilopond)  
 lb-force: pound-force

**Language:** English, Deutsch, Español.

**AutoOff:** With AutoOff “On”, the display will automatically turn itself off after approximately 1 minute of inactivity. (The sensor will not automatically power down.)

During normal operation, information on the connected sensor can be obtained by pressing the Mode button. The following are shown sequentially:

**SN:** Sensor serial number.

**Last Cal:** Date sensor was last calibrated.

**Cal Due:** Date sensor is due for calibration.