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Research, Development and Manufacturing of Precision Measuring Systems

# **Quick Start Guide to LMI TP-107 Wireless Gages**

For a video demonstration, please click here.

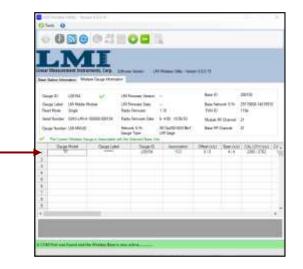
#### Launching the Software

To start the LMI Wireless Utility, plug the MicroRidge USB base into an available USB port on the device and select the Desktop Icon or select the program name from the listed program files under the Start Menu.



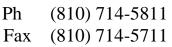
## **Entering Setup Mode**

- To put the gage in setup mode, press and hold the in/mm button on the upper right corner of the gage for about four seconds until the green LED begins to flash.
- After the gage is in setup mode, press and release the button quickly to bring up the Wireless Gage Information window. The yellow light on the USB Base will indicate if a command was received
- Once the gage had populated the information grid, double click on the row number to enter the calibration screen.



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# **Calibrating Wireless True Position 107**

To Master an LMI Wireless Gauge Device, you will follow a basic 3 Point Mastering process for the 200 Probe Series, Seal Gap Series, and the 241/BW Series Gauges:

- LO Position
- HI Position
- Master Position

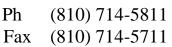
To begin the calibration process, click the CAL LO button shown screen displayed below.

- Notice the *Update* button will be disabled at this point in the master process.

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Calibration of LMI TP-107 Wireless is done using an OSM 1.25 Master Block and Zero Master Bushing.

## A-Axis Master LO Position:

- Click on the A-Axis Cal LO button

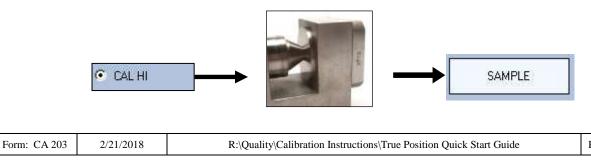
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- Place the TP-107 into the OSM 1.25 Master Block and align the orientation block to the "Low" position for the Master A-Axis.
  - o Press the Sample button on the Wireless Utility



#### **A-Axis Master High Position:**

- Move the orientation block to the Master High Position.
  - Press the *Sample* button on the Wireless Utility





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# **B-Axis Master LO Position:**

- Click on the A-Axis *Cal LO* button

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- Move the orientation block to the "Low" position for the Master B-Axis.
  - Press the *Sample* button on the Wireless Utility



# **B-Axis Master High Position:**

- Move the orientation block to the Master High Position.



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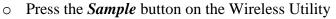
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# Zero Master of A-Axis & B-Axis:

- Click on the Zero Master button



- Place the LMI TP-107 Wireless Gauge into the Zero Master Bushing



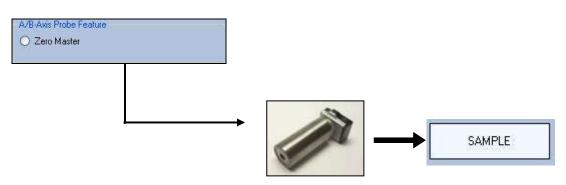


Fig. 4.2 Wireless TP-107 with zero bushing

Click on the Red "X" in the upper right-hand corner of the window to return to the Wireless Gauge Utility home screen.

# If there are any issues during Calibration, the Wireless Utility will revert to the LO (Starting Calibration Position) and the Calibration steps will need to be performed again.

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