

## CONFIGURATION and MASTERING for the LMI 200-SB and the LMI 585 for Seal Gap inspection



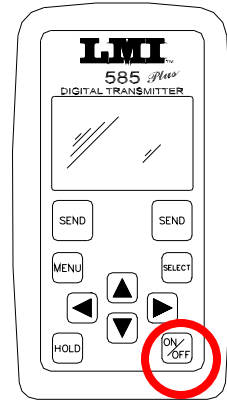
### This Instruction will outline:

- I. Gage Configuration
- II. Mastering Instructions
- III. Verification of the Mastering

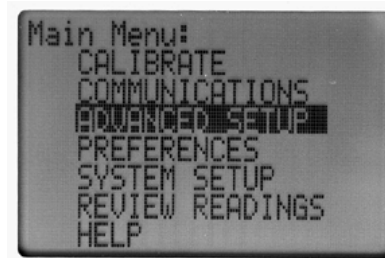
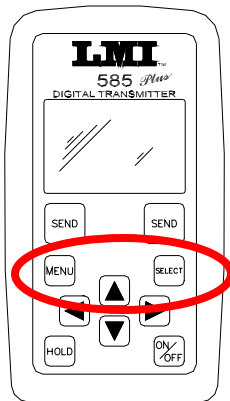
## I. Gage Configuration

*Section I is a one time setup. After a successful gage configuration is finished there should be no need to repeat section I.*

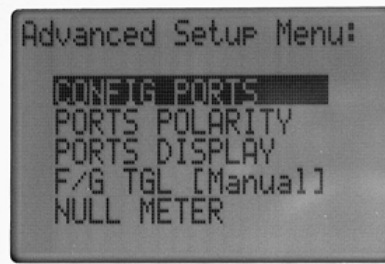
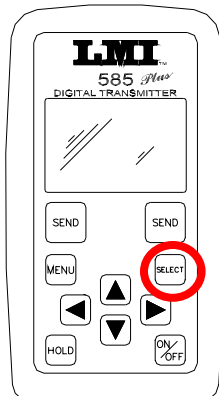
1. To turn on the 585 Plus press the ON/OFF button



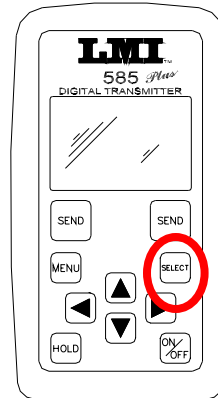
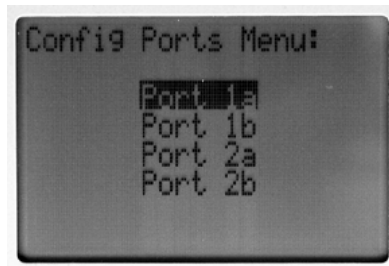
2. To enter the ADVANCED SETUP menu simply press <MENU> and scroll down to highlight ADVANCED SETUP press <SELECT>



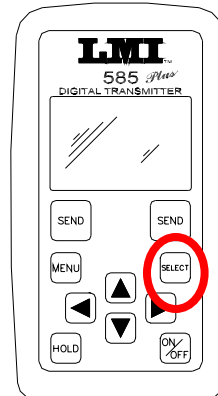
3. To configure individual ports, highlight CONFIG PORTS and press <SELECT>



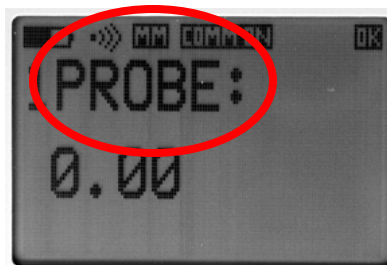
4. The screen will list the four possible port selections. Highlight the Port 1a and press <SELECT>



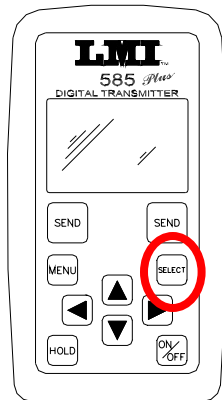
5. Each port has a sub-menu of possible options, as shown below. Each item will be displayed on the screen. To access each option simply, highlight it and press <SELECT>



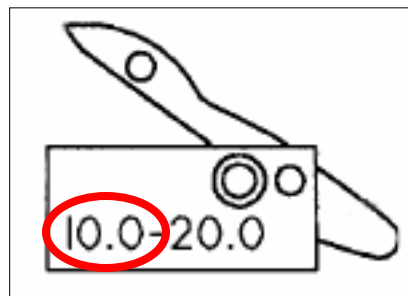
6. Labels are the items displayed next to the Port # on the gage reading screen and are also the text labels that can be attached to readings when sent to a PC.



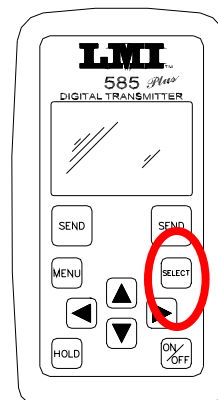
- To change the current label (displayed in brackets in the “Config Menu”) simply highlight LABEL and press <SELECT>. A list of possible labels is displayed. Use the arrow keys to highlight and press <SELECT>



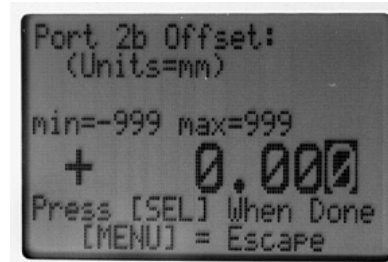
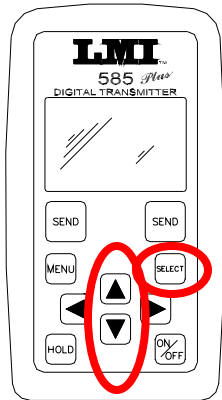
- Offsets are used to add a known value to the zero or master point. To obtain the off set value for the seal gap check look on the LMI 235 or LMI 236 being used. The offset value will be the smaller of the 2 numbers of the LMI 235 checking range.



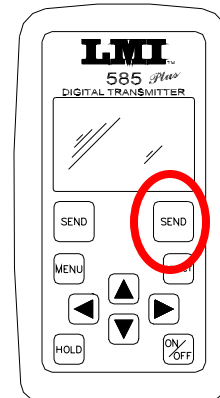
- To adjust the value simply highlight OFFSET and press <SELECT>.



10. Use the arrow key to select the value, then use the up or down arrows to adjust the value and press <SELECT> when complete.



11. When finished press <SEND>

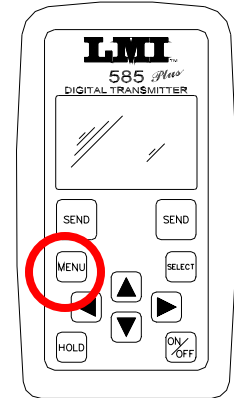


*Configuration complete*

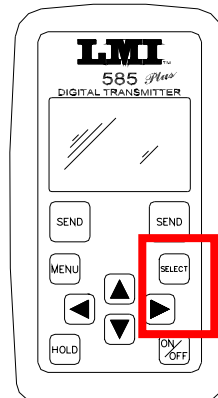
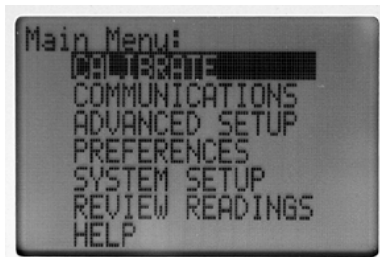
## II. Mastering Instruction.

*Prior to mastering the 200-SB verify the "flat tip" is installed onto the plunger*

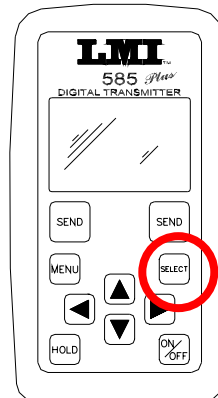
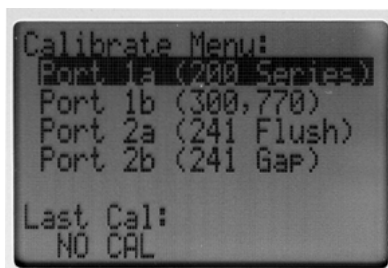
1. Press <MENU> to enter the main menu



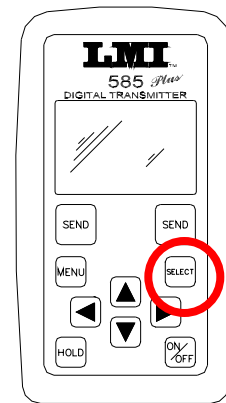
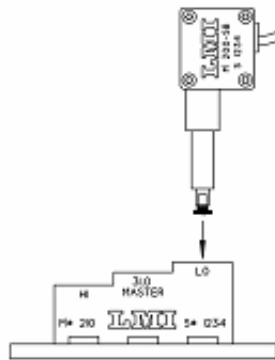
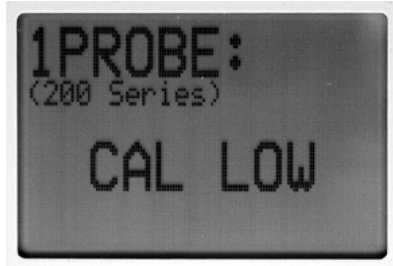
2. "Calibrate" should already be highlighted like the figure below. Press <SELECT> or ►



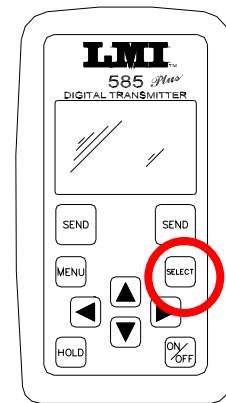
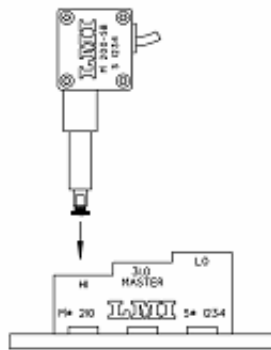
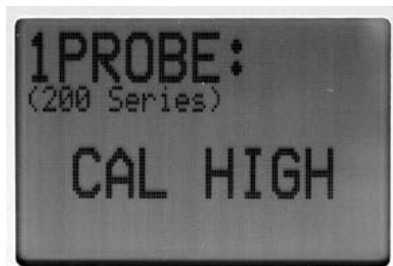
3. Highlight Port 1a then press <SELECT>



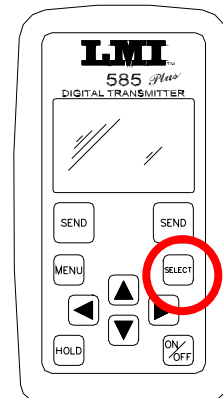
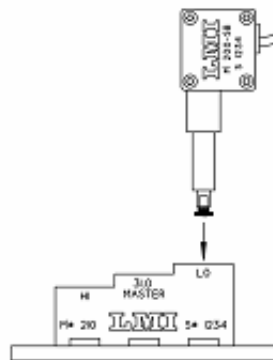
4. CAL LOW will be displayed on the screen. Insert the 200 probe in the “LO” step of the 210 Master block and press <SELECT>



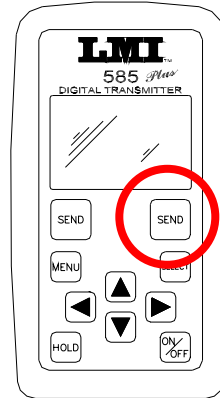
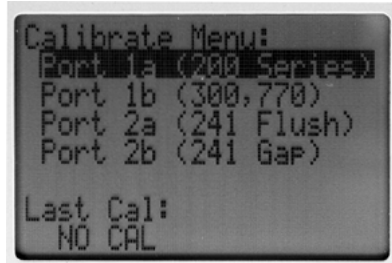
5. The screen will then toggle to CAL HIGH. Insert the 200 probe in the “HI” step of the 210 Master block and press <SELECT>



6. The screen will then toggle to CAL MASTER. Insert the 200 probe in the “LO” step of the 210 Master block and press <SELECT>



7. Calibration is complete and the screen takes you back to the “Calibrate Menu:” screen. To exit and view your readings, press <SEND>.

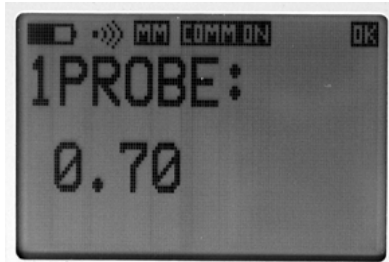


*Mastering complete*

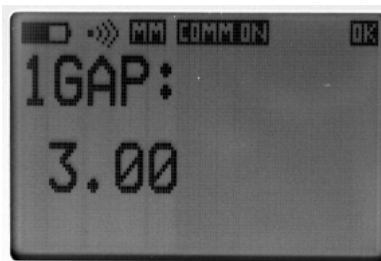


### III. Verification of the Mastering

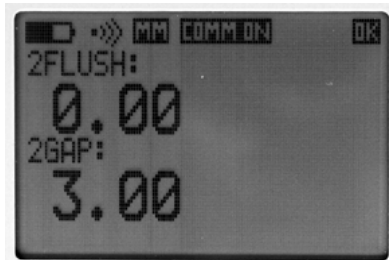
1. The LMI 585 Plus has the ability to read all types of LMI transducers. It is important to understand that the 585 Plus has 3 different display screens and how to advance to the proper screen to read you gage.



- \* This screen displays the calibrated readings for the LMI 200 series transducer

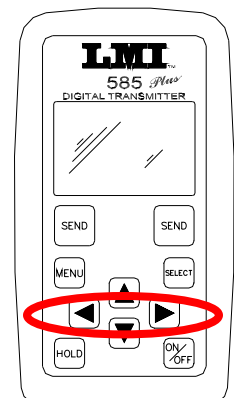


- \* These two screens displays the calibrated readings for the LMI 300/770 series transducers

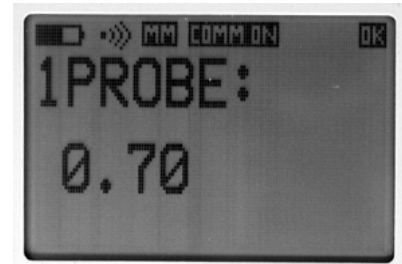


- \* This screen displays the calibrated readings for the LMI 241/241BW series transducers.

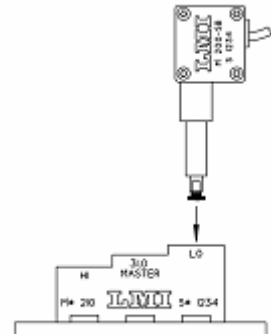
2. To toggle between the screens simply press the ◀ or ▶ on the 585 Plus keypad.



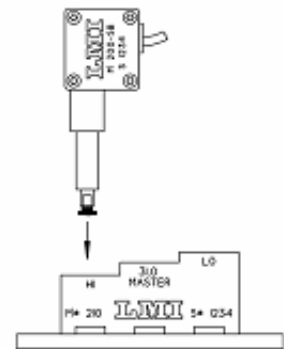
- To verify the mastering toggle the 585 Plus screen to read the LMI probe.



- Insert the LMI 200-SB into the “Lo” step of the LMI 210. The reading on the 585 Plus display needs to read 8.00 (or the programmed offset). This dimension can vary +/- .03mm.



- Insert the LMI 200-SB into the “Hi” step of the LMI 210. The reading on the 585 Plus display needs to read 18.00 (or the programmed offset + 10). This dimension can vary +/- .03mm.



- Once the LMI 200-SB has been verified the 234 can now be attached and is ready to take readings