



LINEAR **M**EASUREMENT **I**NSTRUMENTS, Corp.

Research, Development and Manufacturing of Precision Measuring Systems

CALIBRATION INSTRUCTION FOR THE LMI 200-S OR SB TO THE LMI 585

REQUIRED EQUIPMENT:

LMI 200-S or SB 10mm Surface Probe
LMI 585 Digital Transmitter
LMI 6009 4 pin to 4 pin modular cable
LMI 210 Master Block for the LMI 200-S

GAGE SETUP:

1. Turn on the LMI 585 by pressing the I/O button
2. When the LMI 585 has finished with the start up function, press the \blacktriangle to *MENU* CAL >
3. Press the \blacktriangleright to *CAL PORT 1P>
4. Press the \blacktriangleright to *PORT 1P LOW CAL
5. Place the LMI 200-S into the tallest step of the LMI 210 Master Block and press <SELECT>*
6. The LMI 585 will change to *PORT 1P HI CAL
7. Place the LMI 200-S into the shortest step of the LMI 210 Master Block and press <SELECT>
8. The LMI 585 will change to *PORT 1P MASTER
9. Place the LMI 200-S into the middle step of the LMI 210 Master Block and press <SELECT>
10. The LMI 585 will change to *CAL PORT 1P>
11. Press <SEND> to change the LMI 585 to the gage reading screens
12. The appropriate screen to view the readings will have 1P in the lower left corner. To toggle to this screen press the \blacktriangleleft until 1P appears on the screen.
13. To verify calibration place the LMI 200-S into the middle step of the LMI 210 Master Block, the reading should be 0.00 +/- 0.02. Place the LMI 200-S into the low step and tall step, the sum should be 10.00 +/- 0.02.

* **NOTE:** This procedure will produce a negative reading when extended beyond the nominal 0.00. To reverse the sign, switch steps 5 and 7.