



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

Research, Development and Manufacturing of Precision Measuring Systems

**CALIBRATION/ MASTERING INSTRUCTIONS FOR LMI 200-SB
TO INTERFACE WITH DATAMYTE 501
(TO BE USED WITH THE LMI 234, 235, AND 236 SEAL GAP GAGES)**

REQUIRED EQUIPMENT FROM DATAMYTE: DataMyte 501

REQUIRED EQUIPMENT FROM LMI: LMI 200-SB with flat tip assembly
LMI 6009 4 pin to 4 pin cable
LMI 210 Master Block
LMI 234 Probe Adapter

- 1 Connect the transducer to Gage Port 5 of the data collector.
- 2 Press <Menu> to turn on the DATAMYTE 501.
- 3 Press ▼ to highlight “Gage”. Press <enter>.
- 4 From the list displayed use the arrow keys on the data collector to choose which gage designation to configure, (i.e., G5, G5A) and press <enter>.
- 5 Type the unique gage name, (i.e.: LMI-PROBE) and press ► when complete.
- 6 Press the ▶ to “Configure” and set up as follows using the ▲ and ▼ buttons to highlight the different selections. Use the <enter> button to toggle through the choices.
 - Type: Read at Enter
 - Master Type: (Three point)
 - Scale: 10¹
 - Zero Master: 10²
 - Zero at Enter: (No)
7. Press ▶ to “Master”.
8. Place the LMI 200-SB with the flat tip assembly into the top or “Lo” step of the LMI 210 Master Block. Press <enter>
9. Place the transducer into the bottom or “Hi” step of the LMI 210 Master Block. Press <enter>
10. Place the transducer into the top or “Lo” step of the LMI 210 Master Block. Press <enter>.
11. The Calibration/ Mastering for the LMI 200-SB is now complete.³
12. Seat the LMI 234 onto the barrel of the 200-SB and tighten the thumbscrew to hold into Place.

¹ The current configuration produces a positive reading when retracted beyond the nominal. To reverse the signs change the scale value in the configuration screen to 10.00.

² The current configurations will produce 10-20mm reading on the data collector. This value will be determined by the height of the LMI 235, 236.

³ To verify calibration and mastering use the LMI 210 Master Block and the LMI200 in either the test gages or master gages screen.