



**L**INEAR **M**EASUREMENT **I**NSTRUMENTS, Corp.

Research, Development and Manufacturing of Precision Measuring Systems

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**CALIBRATION/ MASTERING INSTRUCTIONS FOR LMI 237-S/238-S TO INTERFACE  
WITH DATAMYTE 501**

**REQUIRED EQUIPMENT DATAMYTE:** DataMyte 501

**REQUIRED EQUIPMENT FROM LMI:** LMI 237-S or 238-S Transducer  
LMI 6009 4 pin - 4 pin cable

1. Connect the transducer to Gage Port 4 of the data collector.
2. Turn on the data collector.
3. Move the cursor to "Gage" and press "Enter".
4. From the list displayed use the arrow keys on the data collector to choose which gage designation to configure, (i.e., G4, G4A) and press "Enter".
5. Type the unique gage name, (i.e.: LMI237-S) and press "Enter".
6. Move the cursor to "Configure" and set up as follows:
  - Type: Read at Enter
  - Master Type: Three point
  - Scale: 10
  - Zero Master: 10\*
  - Zero at Enter: No
7. Press the right arrow key. The "Save Gage Configuration" window will pop-up. Select "Save to Current Gages" and press "Enter".
8. Move the cursor to 'Master'.
9. Fully retract the transducer probe, select 'Master Lo', and press "Enter".
10. Fully extend the transducer probe, select "Master Hi", and press "Enter".
11. Position the 237-S or 238-S to master position (place gage upside down on a certified flat surface). Tip should be flush with top of the steel slotted portion of the gage. Select "Master Zero" and press "Enter".
12. The Calibration/ Mastering is now complete.

**NOTE:**

\* The value entered needs to be equal to the base range of the 237/238-S. To obtain the value look at the front of the gage.