



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

Research, Development and Manufacturing of Precision Measuring Systems

INTERFACE INSTRUCTIONS FOR THE LMI 200 SERIES TO THE DATAMYTE 3053

REQUIRED EQUIPMENT FROM DATAMYTE: DataMyte 3053

REQUIRED EQUIPMENT FROM LMI:

- LMI 200-S or SB Transducer
- LMI 210 Master Block
- LMI 6400 Interface to include:
 - 6009 4 pin to 4 pin cable
(connects LMI 200-S or SB to LMI 6023 switchbox)
 - 6023 Switchbox
 - 6024 6 pin to 15 HD connector
(connect LMI 6023 switchbox to Datamyte)

SET UP FOR LMI 200:

1. Connect the LMI 200 to the connector labeled “SURFACE” on the LMI 6023 switchbox and connect the LMI 6024 to gage port 1 on the Datamyte 3053.
2. Select Cal A on the slide switch of the LMI 6023 switchbox.
3. Toggle the rocker switch to “Surface” on the LMI 6023 switchbox.
4. Press the **▶** button on the Datamyte 3053 to highlight “Options”
5. Press the **▼** button on the Datamyte 3053 to highlight “Configure Gages”, press <Enter>.
6. From the list displayed on the Datamyte 3053, use the **▲** and **▼** keys on the data collector to choose which gage designation to configure, (i.e. G1C, G1D) and press <Enter>.
7. Use the keypad and type the unique gage name, (i.e. LMI-200), press <Enter>.
8. Press the **▶** on the Datamyte 3053 to “Configure”. Use the **▲** and **▼** keys to highlight the different selections and press <Enter> to toggle through the choices.

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9. The “Configure” screen needs to be set as follows:*

- Type: Gap & Flush
- Scale: 10mm(or.3937”)
- Zero Master: 0
- Switch: (Read)
- Master Type: (Three Point)
- Show Additional Parameters: (No)

10. Press the **▶** key on the Datamyte 3053. The “Save Configuration” window will appear, then select “Save to Current Gage” and press <Enter>.

11. Press the **▶** button on the Datamyte 3053 to highlight “Master”.

12. Place the LMI 200 probe into the “Lo” step of the LMI 210, highlight “Master Lo” on the Datamyte 3053 and press <Enter>.

13. Place the LMI 200 probe into the “Hi” step of the LMI 210, highlight “Master Hi” on the Datamyte 3053 and press <Enter>.

14. Place the LMI 200 Probe into the “31.0” step of the LMI 210, highlight “Master Zero” on the Datamyte 3053 and press <Enter>

15. Calibration/Mastering for the LMI 200 series probe is complete.

NOTES:

- * This configuration will produce a negative reading when extended beyond the nominal. To reverse polarity, change the “Scale” to -10.