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# LMI ™

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

Research, Development and Manufacturing of Precision Measuring Systems

## GAGE SETUP AND CALIBRATION INSTRUCTIONS FOR THE LMI 237-S WITH THE GAGETALKER "ZIPPER"

**REQUIRED EQUIPMENT FROM GAGETALKER:**   Gagetalker "Zipper"

"Zipper" Docking Station set up to a computer

Zipper PC Tools (software)

**REQUIRED EQUIPMENT FROM LMI:**   LMI 237-S Quick attach door seal gap transducer

LMI 6009 4 pin to 4 pin cable

**\*GAGE SETUP:**

1. From the program "Zipper Administration", verify setup as follows for LMI 237-S
2. Select the "Gages" tab.
3. In Gages, select the "Gage Model" tab.
4. Configure the "Gage Model" screen as follows:
   - Gage <u>M</u>odel Name:        237 (L1)
   - Gage <u>T</u>ype:                    LMI/Torque
   - Calibration Method: 200:  Min; Max; Zero
   - Zero Check Method: 200:  Zero check
   - Zero Check (Flush):       10*
   - Secondary (Gap) Zero:    0
   - Min:                           0
   - Max:                          10
   - Linear Range:               10
5. Click on the disk icon button to save this configuration to be used for part file setups.

# LMI Corporation

6. Select the "LMI\Torque Extensions" tab, press the "+" button and configure as follows:

       Gage <u>M</u>odel Name:   237 (L1)

       Extension Name:     (anything to identify this configuration, suggest "Standard" or "Nor")

       Mode:               Force

       Starting Threshold:   0

       Stopping Threshold:  0

       Direction:          Forward

       Speed:              125 Hz

       Time Filter:        0

       Offset:            Primary (Flush)

7. Click on the disk icon button to save this configuration to be used for part file setups.

8. At this point the gage is set up and a part file needs to be created and sent to the Zipper.  See page 47 of the "Zipper PC Tools" manual for further details on part files.

9. After the part file is sent to the Zipper remove the Zipper from the docking station, "press any key to start".

10. Select the desired part file for collecting data.

11. Connect the LMI 237-S to port "LMI 1" using the LMI 6009.

12. "Select a Gage" will appear for L1. Press ▲ or ▼ to select "L1: 237 (L1)" and press <Enter>.

13. Retract the LMI 237-S at the "Set 237 (L1) at Lo, take reading" prompt, and press <Enter>.

14. Extend the LMI 237-S at the "Set 237 (L1) at Hi, take reading" prompt, and press <Enter>.

15. Place the LMI 237-S on a flat surface at the "Set 237 (L1) at Zero, take reading" prompt, and press Enter>.

16. Calibration is complete.

**NOTE:**

    * This sets the base for the range for the transducer.  Verify the range of the 237 by looking at the front of the transducer, a range should be visible.  If the 237 has a 9.0 - 19.0 range, the "Zero Check (Flush)" needs to be  9.