

LINEAR MEASUREMENT INSTRUMENTS, Corp.

Research, Development and Manufacturing of Precision Measuring Systems

Configuration and Mastering Instruction for the SK5038 Wiper Arm Angle Measurement Tool to the ASI DataMyte 501

Required Equipment:

1. ASI Datamyte 501
2. LMI SK5038 Transducer.
3. LMI SK5039 Master Block
4. LMI SK5059 or SK5060 End Adapter
5. LMI P/N 6756 Cable

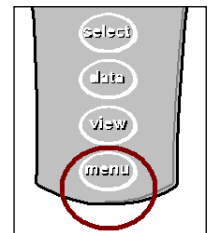
This process will outline:

<u>Section</u>	<u>Pages</u>
I. Configuration of the ASI DataMyte 501	1-3
II. Mastering the SK5038 Wiper Arm Angle Measurement Tool	4-6

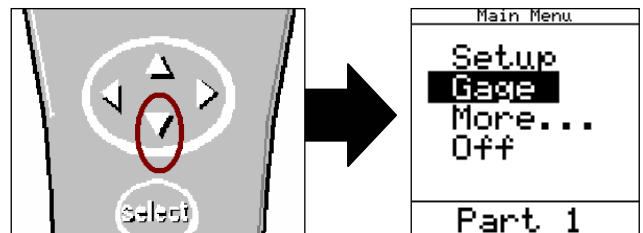
I. GAGE CONFIGURATION

Section I is a one time setup. After a successful gage configuration is finished there should be no need to repeat section I. It is recommended to store a copy of the gage files onto a personal computer or laptop. Consult the collector manual or if purchased the TranSend manual for further details.

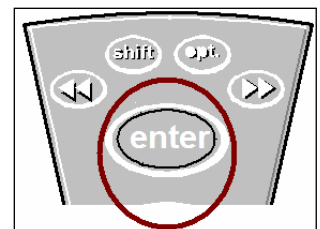
1. Press <menu> to turn on the collector.



2. Press ▼ to highlight "Gage".

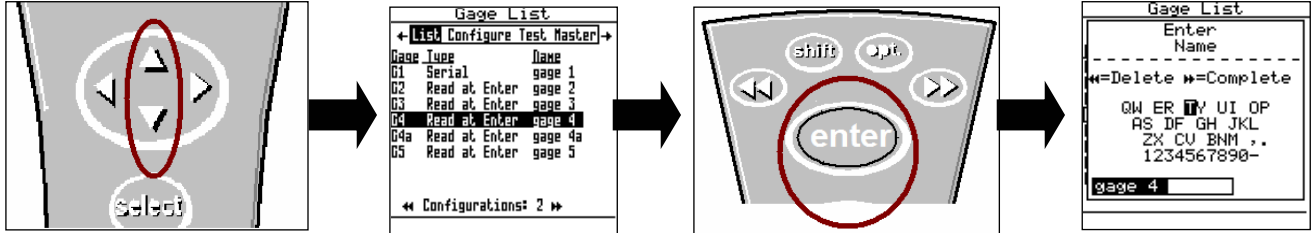


3. Press <enter>.



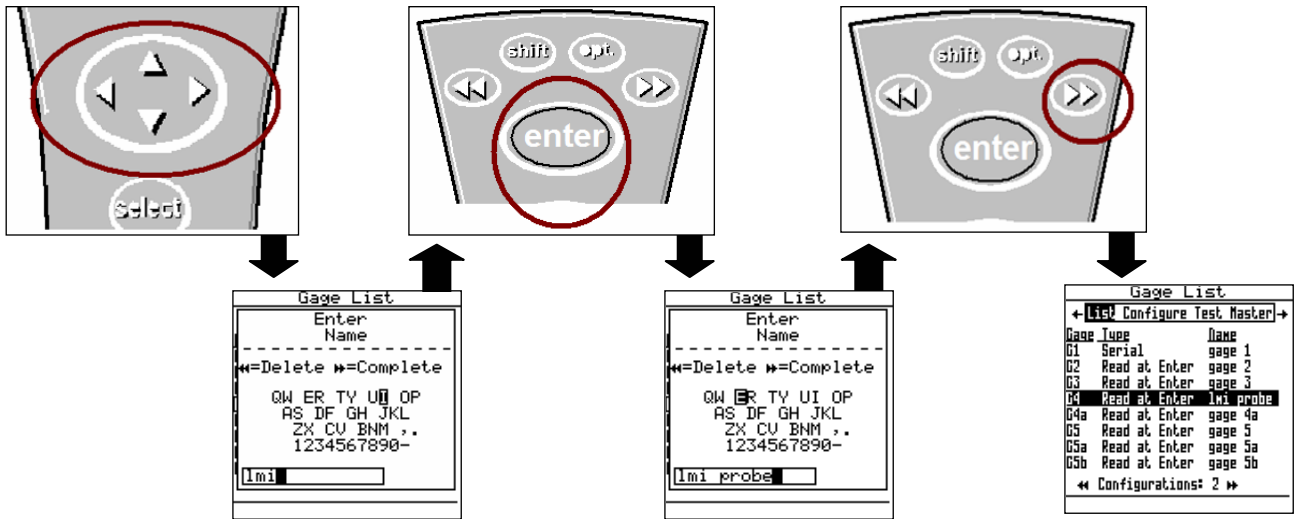
It is recommended to assign simple user name to the gage files such as; Driver, Passenger, etc. This will help to identify different setups.

- To assign a gage file name press the ▲ or ▼ to highlight gage “G4”* in the “Gage List”, and press <enter> on the collector. The alphanumeric screen will then appear.

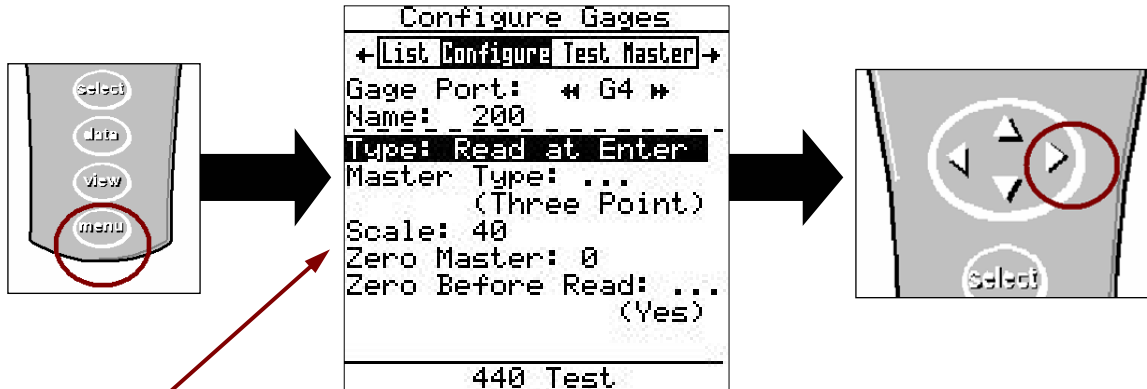


*G4 and G5 can both read the Angle Gage. The only rule to follow is the gage file must match the source code in part file, see collector manual for details. The balance of this instruction will be based on G4. To use G5, perform the following steps using the G5 gage file.

- Use the ▲, ►, ◀, or ▼ to highlight the desired character then press <enter>, repeat process until the gage file name is spelled out then press ►► to accept the new name.

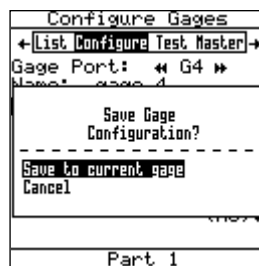


6. Press the ► to “Configure”. By default the screen should read as follow. This screen determines how the collector will interpret the signal from the gage. Failure to set this screen properly may cause undesired results. If **no** changes to the screen are required, configuration is complete and press the <menu> key. If changes are required continue to step 7.



Default Scale =10, Change to 40 for Angle Measurement (SK5038 or SK5065)
See Instruction 8 for details

7. If changes in this screen are needed, press the ▲ or ▼ to highlight the different selections then press <enter> to toggle through the choices of “Type”, “Master Type”, and “Zero Before Read”.
8. To make changes to the “Scale” or “Zero Master” press ▲ or ▼ to highlight “Scale” or “Zero Master” and press <enter>. This will bring up the numeric keypad. Key in the new value and press ►► to accept.
9. Press the <menu> key to return to the “Main Menu”. If any changes were made in the “Gage Configuration” screen a save gage notification will appear. If the changes are intentional highlight “Save to current gage” and press <enter>. If changes are not intended, highlight “Cancel” and press <enter> and reset “Configure Gages” per step 6.



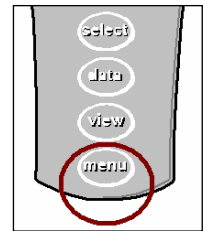
Gage configuration is complete

II. MASTERING INSTRUCTIONS

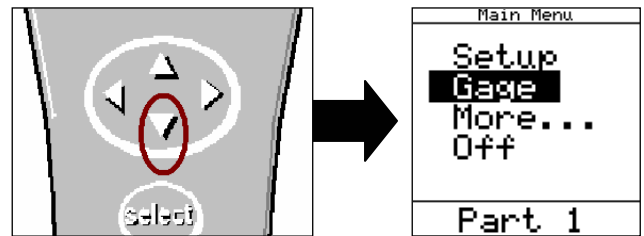
LMI suggests that this process be performed at the start of every shift.

1. Connect the transducer to Gage Port 4 of the data collector. If G5 was selected in gage configuration use Gage Port 5.

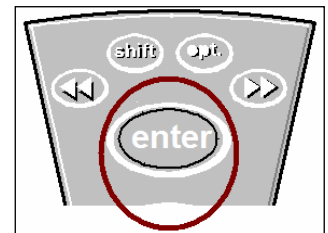
2. Press <Menu> to turn on the DATAMYTE 501.



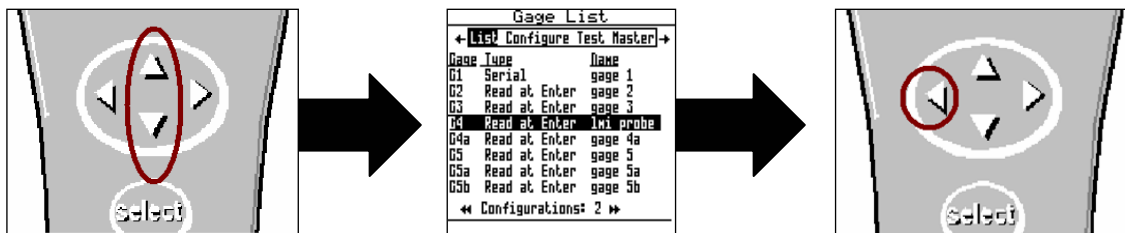
3. Press ▼ to highlight “Gage”.



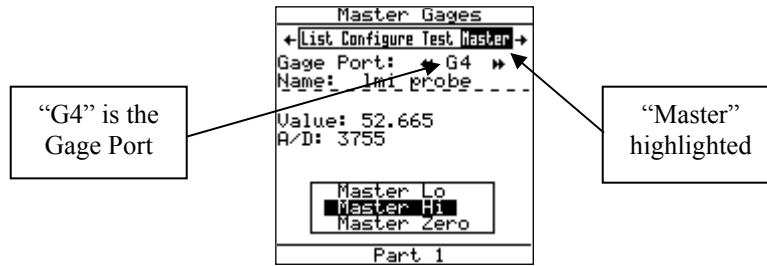
4. Press <enter>.



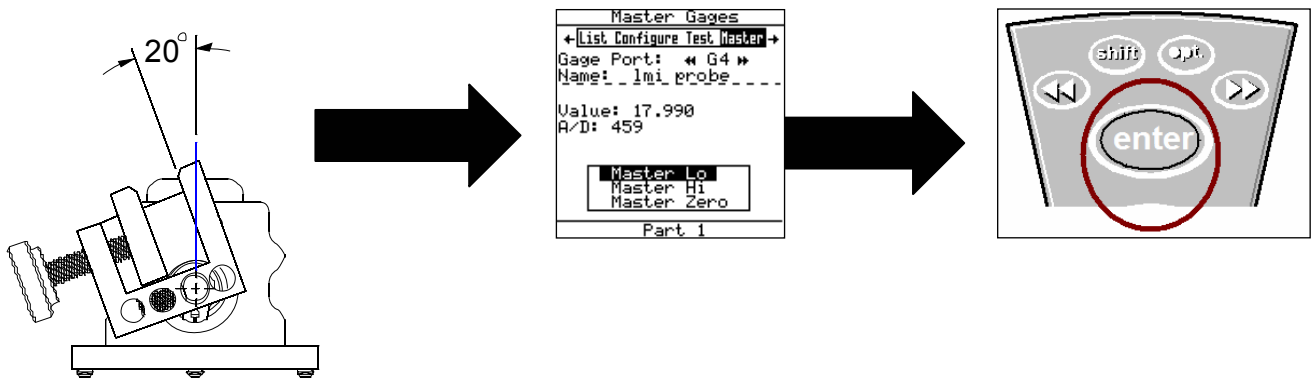
5. From the gage list use the ▲ or ▼ keys on the data collector to choose gage file G4, and press ◀ on the collector.



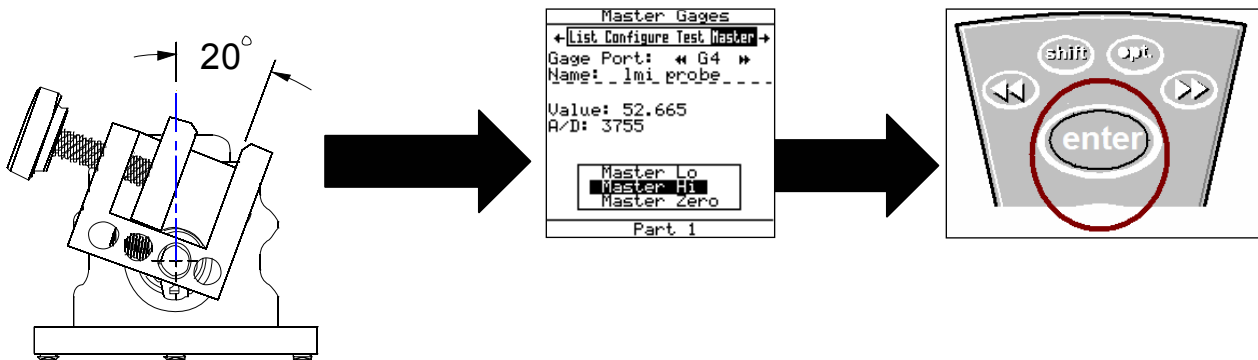
- 6 “Master” will be highlighted in screen header and “G4” is identified as “Gage Port”. If G4 is not the Gage Port press the ►► or ◀◀ until G4 appears.



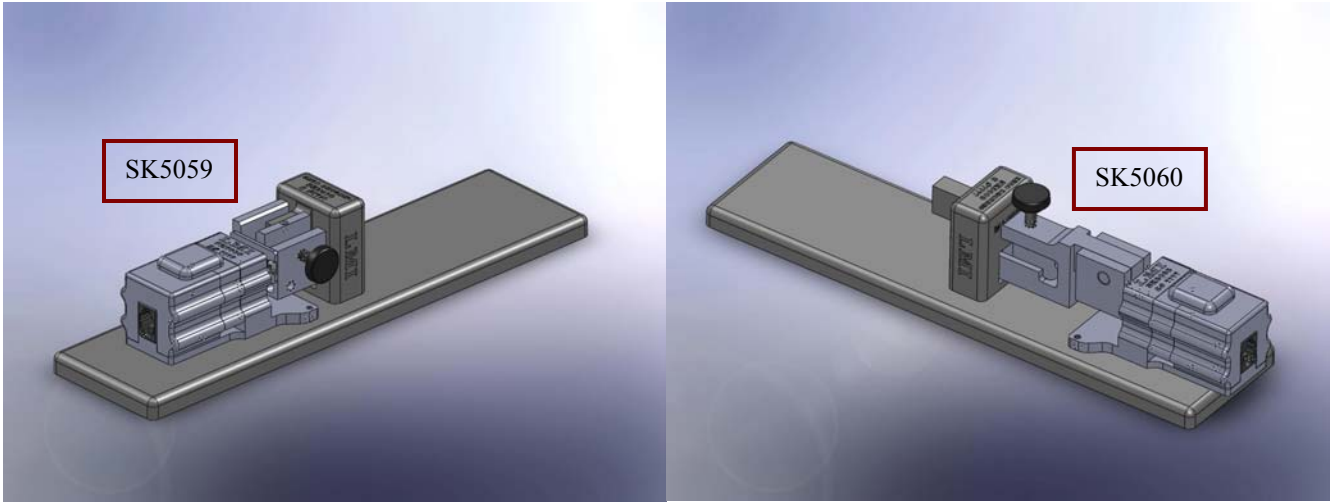
- 7 Pivot the attachment head against the travel stop to the left. Verify “Master Lo” is highlighted on the collector, press <enter>.



- 8 Pivot the attachment head against the travel stop to the right. Verify “Master Hi” is highlighted on the collector, press <enter>.



- 9 With desired end attachment on gage (see step 10 for instruction), clamp SK5059 over finger or insert SK5060 into window as shown in the illustrations below. Verify “Master Zero” is highlighted on the collector, press <enter>



- 10 Changing the end attachment on the SK5038 gage from Hook Style to Flat Blade Style requires a 3/32” Allen Wrench included with the gage. To make the change simply loosen the set crew found on the side of each adapter (see illustration below). Loosen the screw allowing the attachment to slide off the pivoting shaft on the gage. Slide the desired attachment onto the shaft until it stops against the shoulder aligning the set screw tip to the flat on the shaft and tighten the set screw.

