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ADIS16135 Evaluation Tool Overview



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*i*Sensor® The Simple Solution for Sensor Integration PC-Based Evaluation

- The ADISUSBZ provides PC-based demonstration and basic evaluation support for the ADIS16135BMLZ.
 - This system provides a simple USB interface, along with a simple graphical user interface (GUI)
 package, for evaluating most of the ADIS16135 functions and performance.
 - This system is most useful for basic data collection and performance validation.
 - This is not a real-time development system. No SDK available.
 - Part number for ordering: (1) ADIS16135BMLZ, (1) ADISUSBZ

ADIS16135BMLZ



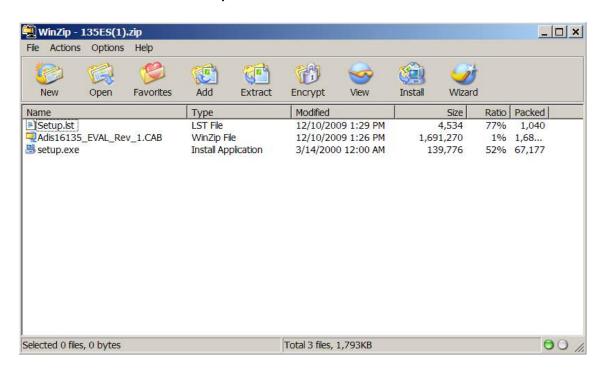
ADISUSBZ



*i*Sensor® The Simple Solution for Sensor Integration ADIS16135 Demonstration Software Installation

The ADIS16135 demonstration software can be found at www.analog.com/ADIS16135

- 1. Click on "Evaluation Software Downloads"
- 2. Click on 135ES.zip and save it to a temporary directory
- 3. Open it and double click on setup.exe.



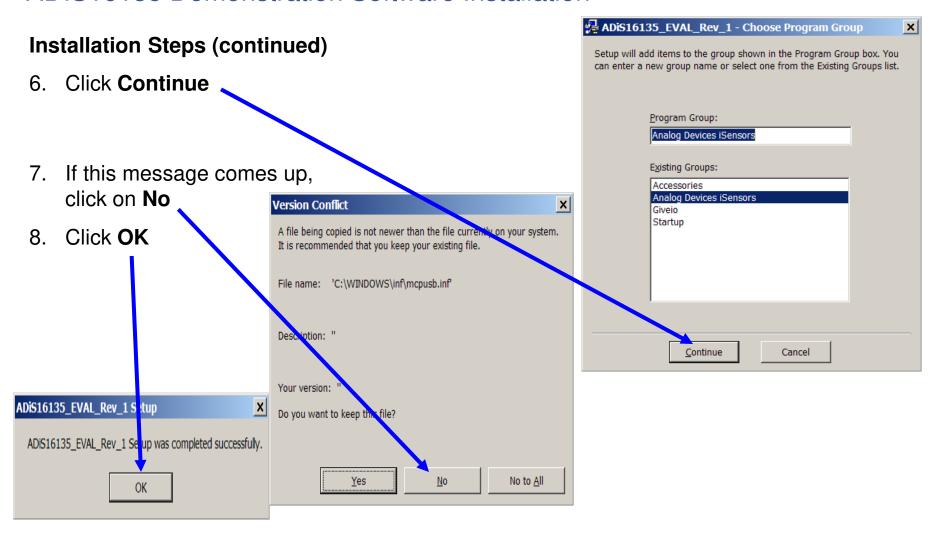




ADiS16135_EVAL_Rev_1 Setup Installation Steps (continued) Welcome to the ADiS16135_EVAL_Rev_1 installation program. Click **OK** on next screen Setup cannot install system files or update shared files if they are in use. Before Click here to start installation proceeding, we recommend that you close any applications you may be running. Exit Setup ADiS1613 | EVAL_Rev_1 Setup × Begin the in stallation by clicking the button below. Click this button to install ADiS16135_EVAL_Rev_1 software to the specified destination directory. Directory: C:\Program Files\Analog Devices Change Directory Exit Setup







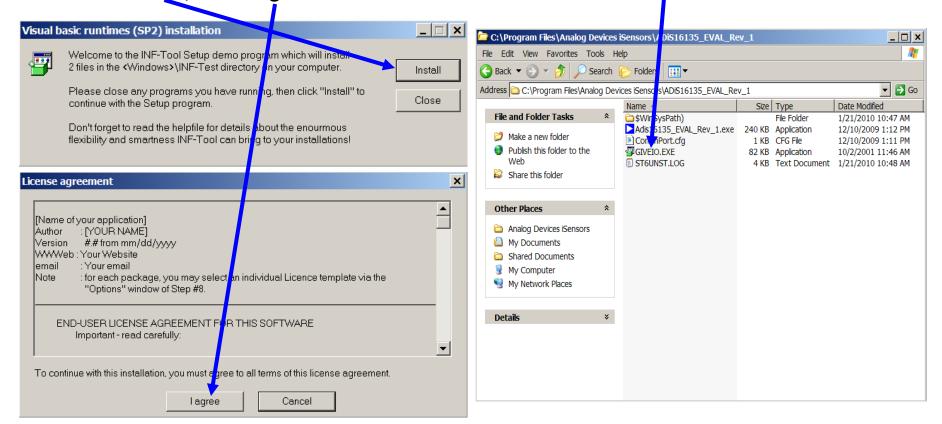


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Installation Steps (continued)

9. Open the newly created directory and double-click onto GIVEIO.EXE

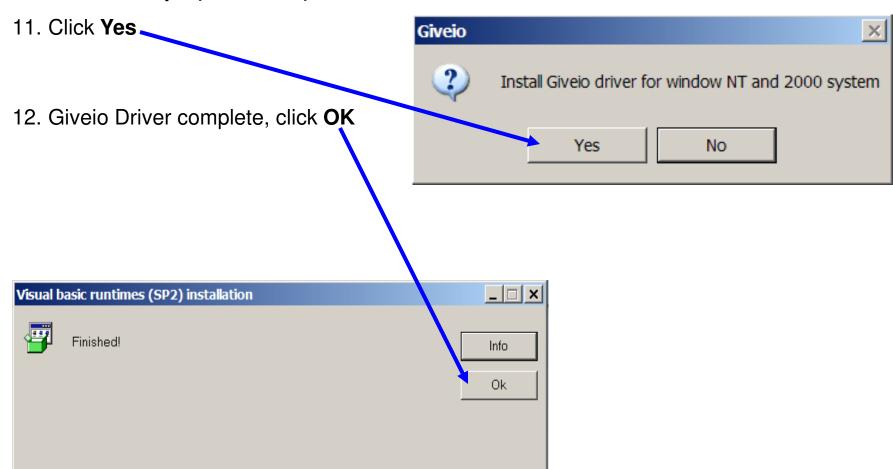
10. Click Install, then I agree







Installation Steps (continued)

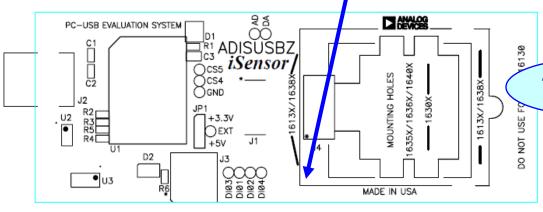




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Installation Steps (continued)

- 13. Install ADIS16135BMLZ on ADISEVALUSBZ
- 14. Remove ribbon cable and screws
- 15. Carefully insert the ADIS16135BMLZ into the J4 connector
- 16. Secure part with 2x18mm screws



1. Secure with 2x18mm screws

2. Attach 135/PCBZ to J4 Connector



3. Verify JP1 set to +5V







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Installation Steps (continued)

- 17. USB Driver screen will pop-up Click **Next** to start this process
- 18. Then click on **Continue Anyway**

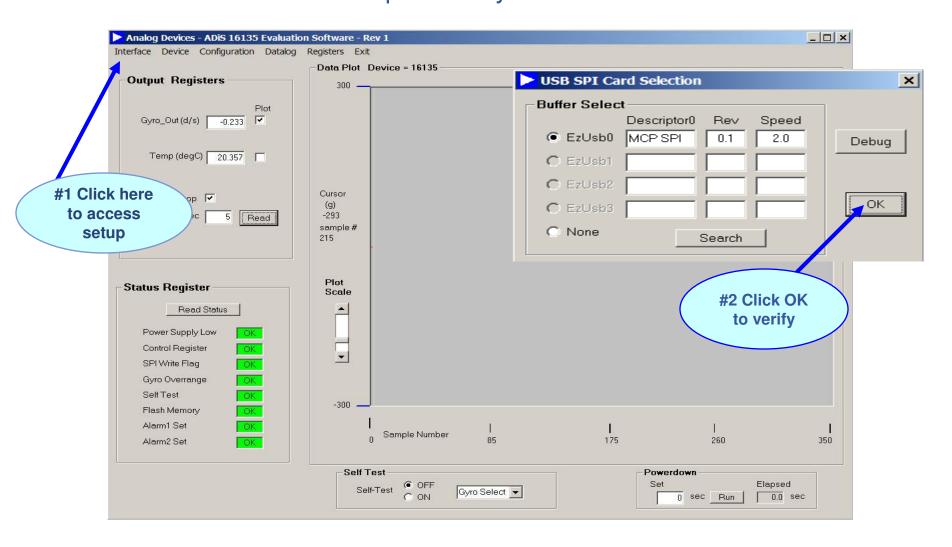




This process will repeat for a second driver file. Just follow the instructions and allow it to go through one more time. After completing this, the devices is ready for test.

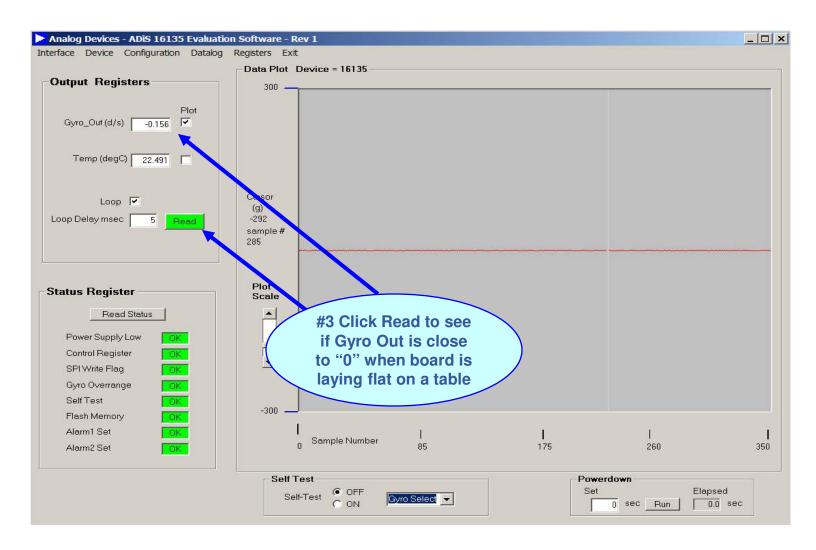


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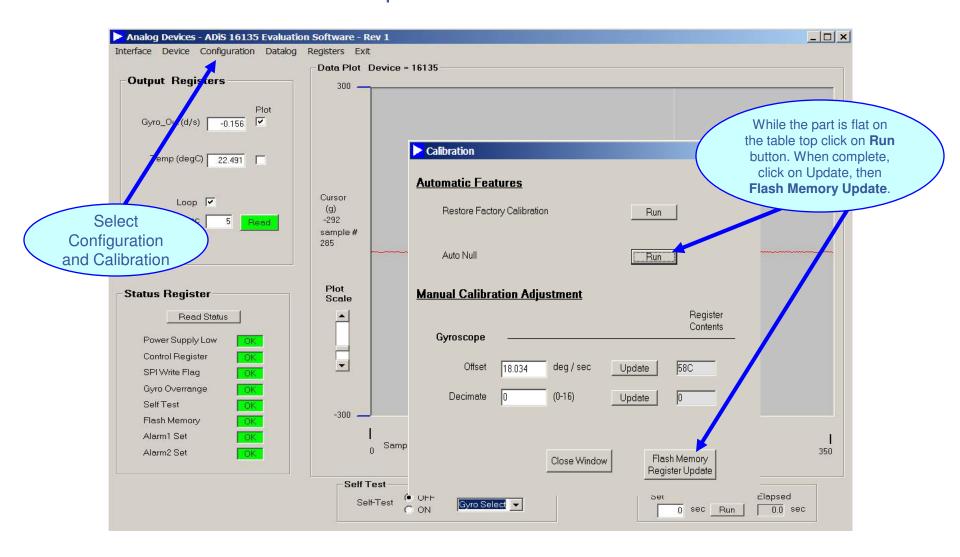


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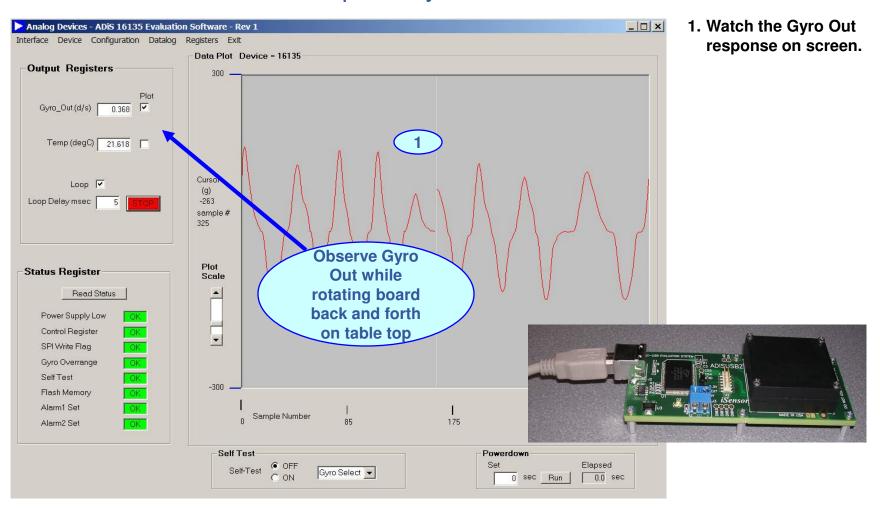


*i*Sensor® The Simple Solution for Sensor Integration ADIS16135 Demonstration Tips—AUTO-Null

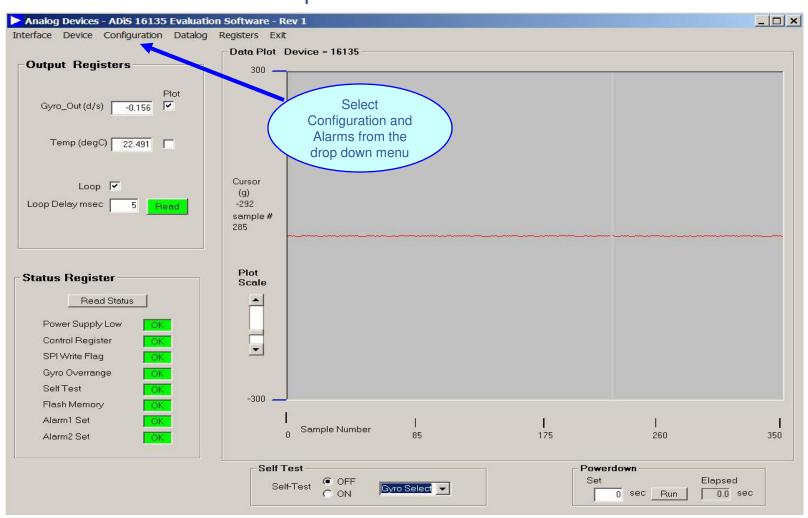




*i*Sensor® The Simple Solution for Sensor Integration ADIS16135 Demonstration Tips— Gyro

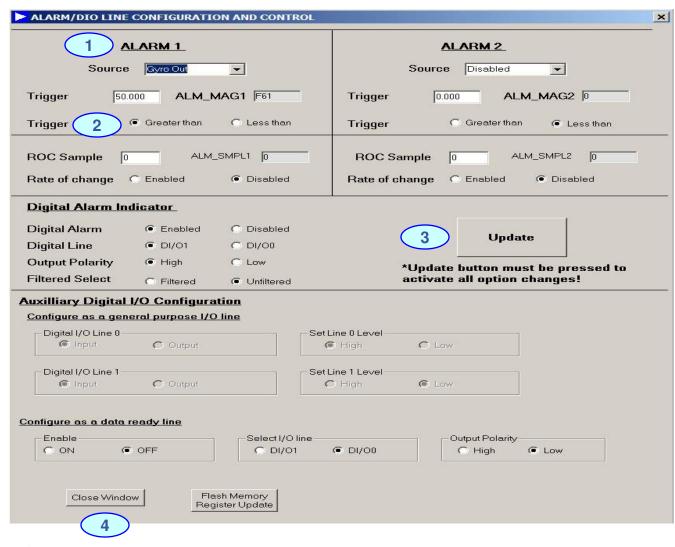


*i*Sensor® The Simple Solution for Sensor Integration ADIS16135 Demonstration Tips— Alarms??





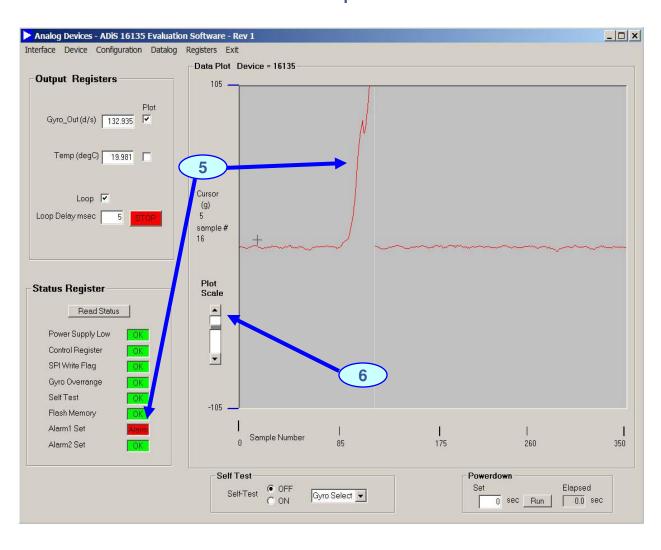
*i*Sensor® The Simple Solution for Sensor Integration ADIS16135 Demonstration Tips— Alarm Set up



- 1. Set Alarm 1 source for Gyro Out.
- 2. Set the Trigger level to 50 and Greater Than
- 3. Click the Update button to accept changes
- 4. Click on Close Window to return to the main screen



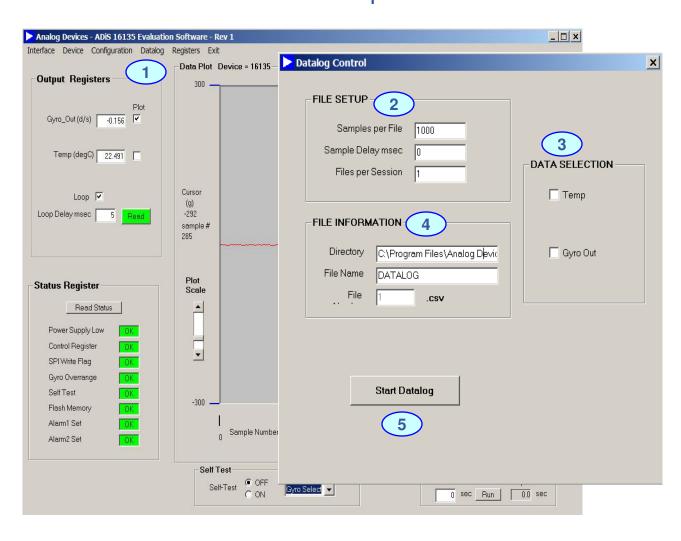
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- 5. Alarm 1 is set when the Gyro level is above 50
- 6. The Plot Scale can be changed for a more accurate reading by moving the slider



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- 1. Select Datalog on the main screen
- 2. File Setup- enter # of samples delay and # of files
- 3. Data Selection- Choose the output data you want
- 4. File Information- Enter the file name and # of files
- 5. Start Datalog- Click the button to begin data processing
- a. File is output to program file folder created during installation





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