Teledyne LeCroy LabMaster driver for Matlab
Anirudh Sureka, Patrick Connally – October 2013

1. Type "ver" and press enter at the Matlab command prompt. Make sure the list of toolboxes includes the Instrument Control toolbox as below:

```
-----------------------------------------------------------------------------------
-------------
MATLAB Version: 8.1.0.604 (R2013a)
MATLAB License Number: 682698
Operating System: Microsoft Windows 7 Version 6.1 (Build 7601: Service Pack 1)
Java Version: Java 1.6.0_17-b04 with Sun Microsystems Inc. Java HotSpot(TM) 64-Bit Server
VM mixed mode
-----------------------------------------------------------------------------------
-------------
MATLAB                                        Version 8.1        (R2013a)
Communications System Toolbox                 Version 5.4        (R2013a)
DSP System Toolbox                            Version 8.4        (R2013a)
Fixed-Point Designer                          Version 4.0        (R2013a)
Instrument Control Toolbox                     Version 3.3        (R2013a)
MATLAB Compiler                               Version 4.18.1     (R2013a)
RF Toolbox                                    Version 2.12       (R2013a)
Signal Processing Toolbox                     Version 6.19       (R2013a)
Wavelet Toolbox                               Version 4.11       (R2013a)
```

2. Move/copy the driver file "TeledyneLeCroy_LabmasterScopes.mdd" to "C:\Program Files\MATLAB\R2013a\toolbox\instrument\instrument\drivers".
3. Ensure your oscilloscope is running the latest firmware (available at www.teledynelecroy.com).
4. Make sure that the scope is up and running and is connected to the network. Go to Menu Utilities-> Remote to check out the IP address of the scope, which will be needed to run the sample script.
5. Make sure that the test PC is connected to the same network and can ping the scope.
6. Use the file "TeledyneLeCroyLabmasterScopes_Sample.m" to check that the connection is working, and as a template. You should first load the setup file, "ScopeSetupForLabmasterDriverTest.lss" on the scope.

List of files included in this package:

- **TeledyneLeCroy_LabmasterScopes.mdd**: Matlab driver for Teledyne LeCroy LabMaster oscilloscopes.
- **TeledyneLeCroyLabmasterScopes_Sample.m**: Sample file for testing driver functionality, and for use as a template.
- **ScopeSetupForLabmasterDriverTest.lss**: Setup file for configuring the oscilloscope for the above sample Matlab file.
- **Teledyne LeCroy LabMaster driver for Matlab – instructions.pdf**: This document.