

Optical Wavelength Laboratories (OWL) Calibration Procedures

Upgrading WaveTester Optical Power Meter Firmware

April 15, 2005

Calibration Procedure

Upgrading WaveTester Optical Power Meter Firmware

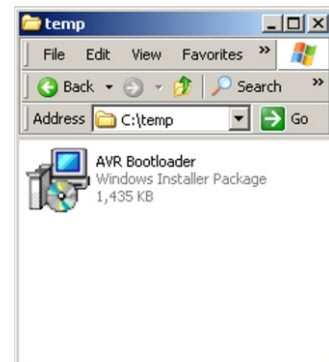
Use this procedure to upgrade the firmware in the WaveTester optical power meter to the most current version.

Requirements for this procedure:

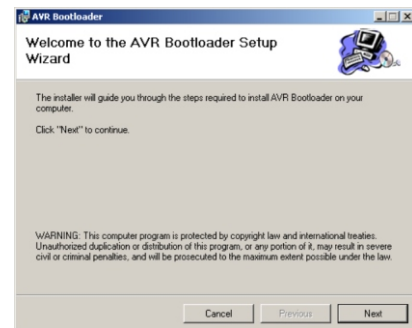
- PC with a working COM port
- WaveTester download cable

INSTALL FLASH UPDATE PROGRAM

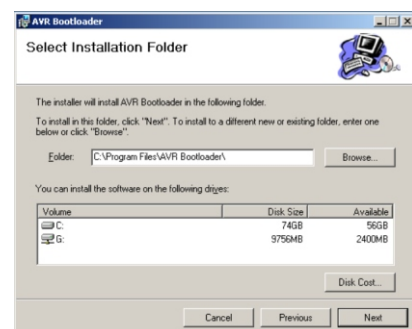
Step 1 – Open My Computer and browse to the folder where the AVR Bootloader install program is stored. Double-click the AVR Bootloader icon to start installation.



Step 2 – Click “Next”.



Step 3 – Click “Next”.

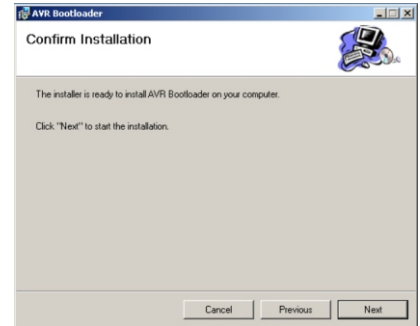


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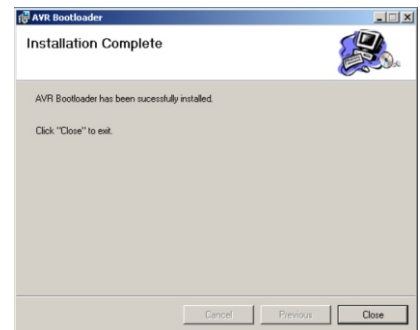
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INSTALL FLASH UPDATE PROGRAM, cont.

Step 4 – Click “Next”.



Step 5 – Click “Close” to complete the installation.



SETUP

Step 6 – Connect the WaveTester to the PC using the download cable and power on the meter.

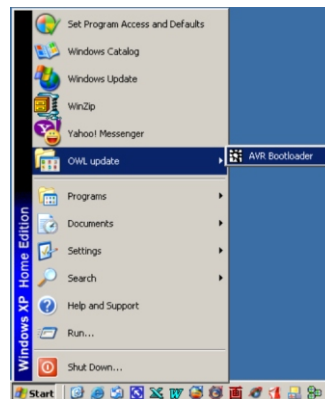


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UPDATE WAVETESTER FIRMWARE

Step 7 – Click Start, OWL update, AVR Bootloader.



Step 8 – Click “Jump to Bootloader then Download”. In the Status bar, there will be a countdown of the lines of code being downloaded into the WaveTester. Once all of the firmware has been downloaded, You will receive a notification window showing successful completion.

NOTE: if there is no response from the target bootloader, either:
a) use a different COM port; or
b) verify COM1 is not in use; or
c) remove and re-insert the battery in the WaveTester, then power the WaveTester back on,

then repeat Step 8.

