



Procedure for Updating AcuRev 1310 series meter

1. Hardware Installation

Connect the Computer with the AcuRev 1310 series meter using a USB-RS485 communication converter. As shown in Figure 1.

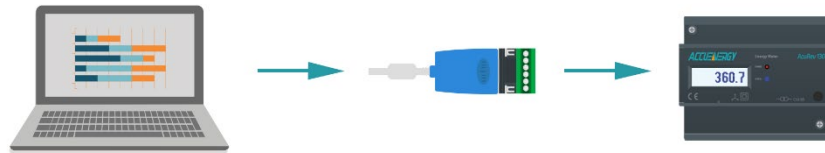


Figure 1: Connect the meter to the computer

2. Software Operation

Step 1: Connect the device according to Figure 1 and power on the meter.

If using a Accuenergy USB-RS485 converter terminal TR+ should be connected to terminal A on the meter and terminal TR- on the converter should be connected to terminal B on the meter.

Step 2: Open the Software “USProgram.exe”. A window will be displayed (as shown in figure 2 below).

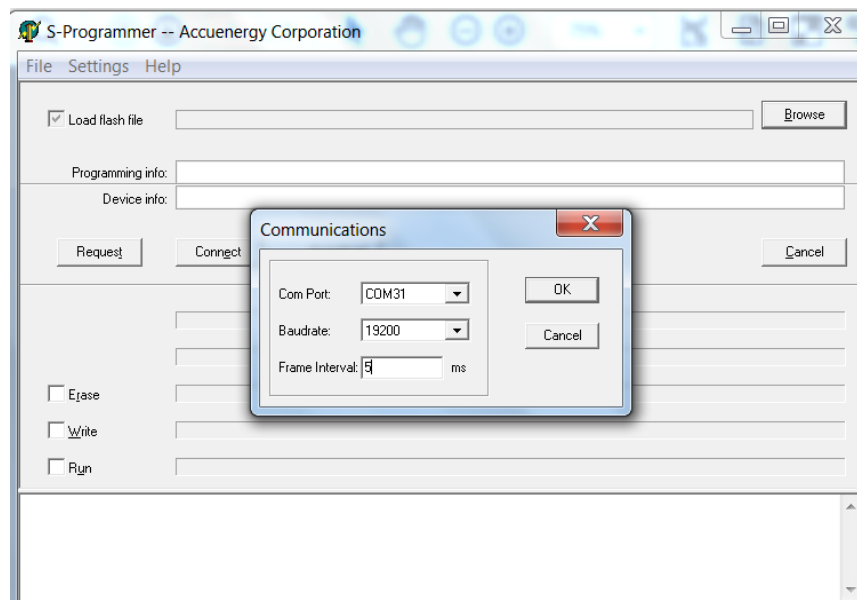


Figure 2

Step 3: Select the 'Com Port' the meter is connected to on your PC, select the 'Baud rate' as “19200” (default settings). Click “OK”. The window, as shown in figure 3 below, will be displayed.

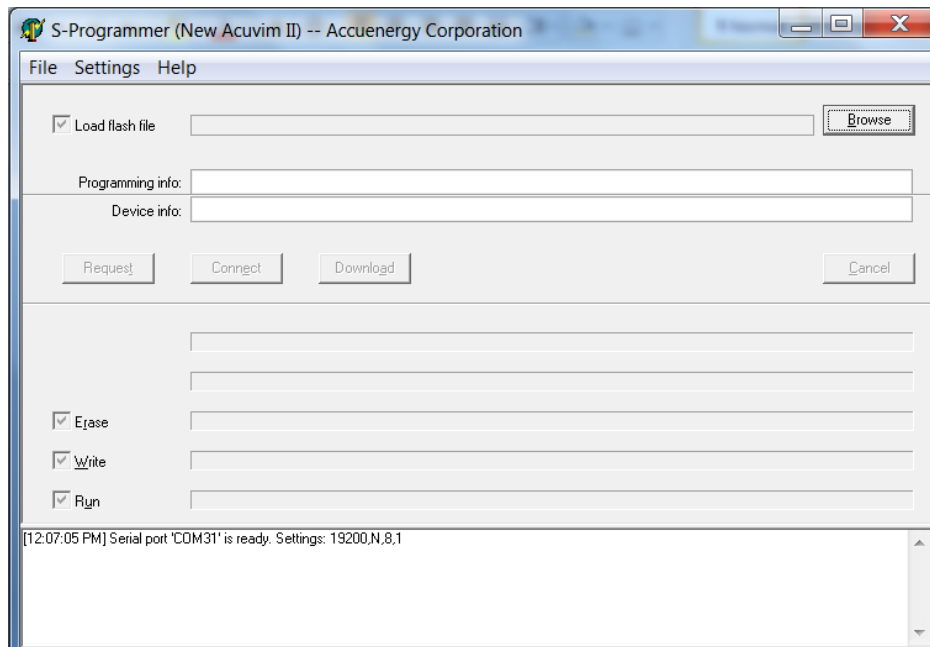


Figure 3: Serial port 'COMX' is ready. Settings 19200,N,8,1

Step 4: Click “Browse” to load the target flash file. As shown in figure 4 below

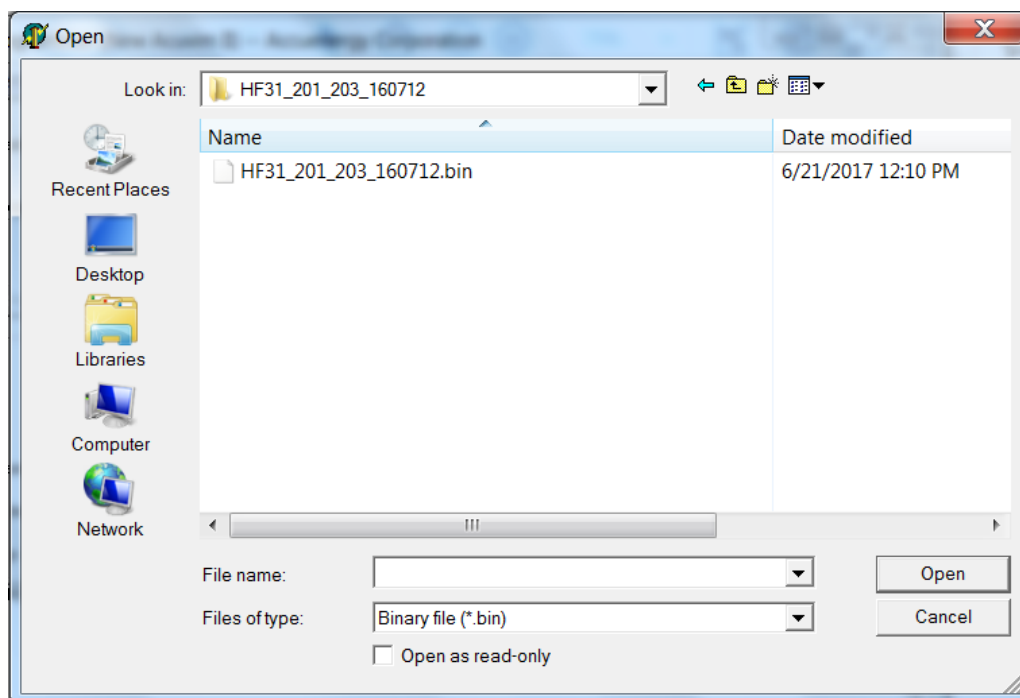


Figure 4

Locate the firmware file in the appropriate folder.



NOTE: In the case above, the file name is: **HF31_201_203_160712.bin**
Select the file and click “Open”.

The window in figure 5 should be displayed. It provides the Device type, Hardware version and software version for the update file under the ‘Programming info:

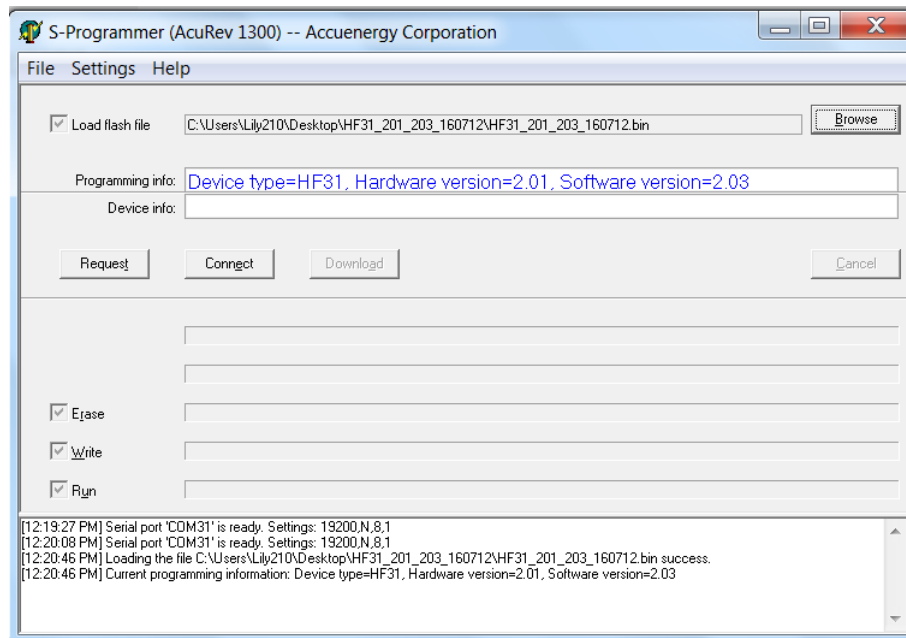


Figure 5

Step 5: Click ‘Request’. A window (as shown in figure 6) will be displayed and enter the baudrate, parity and device address of the AcuRev 1310 series meter.

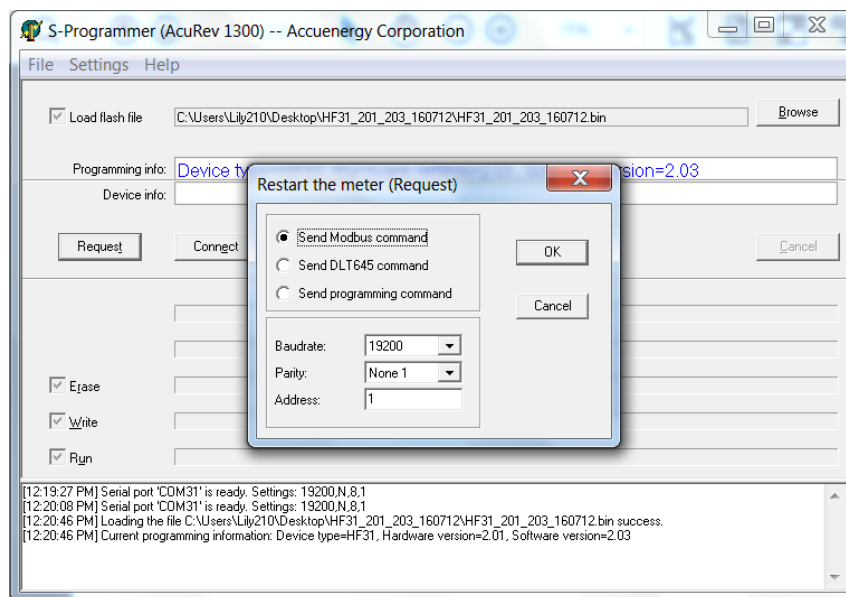


Figure 6

The 'Device info' section should now contain your meter's information. As shown in figure 7.

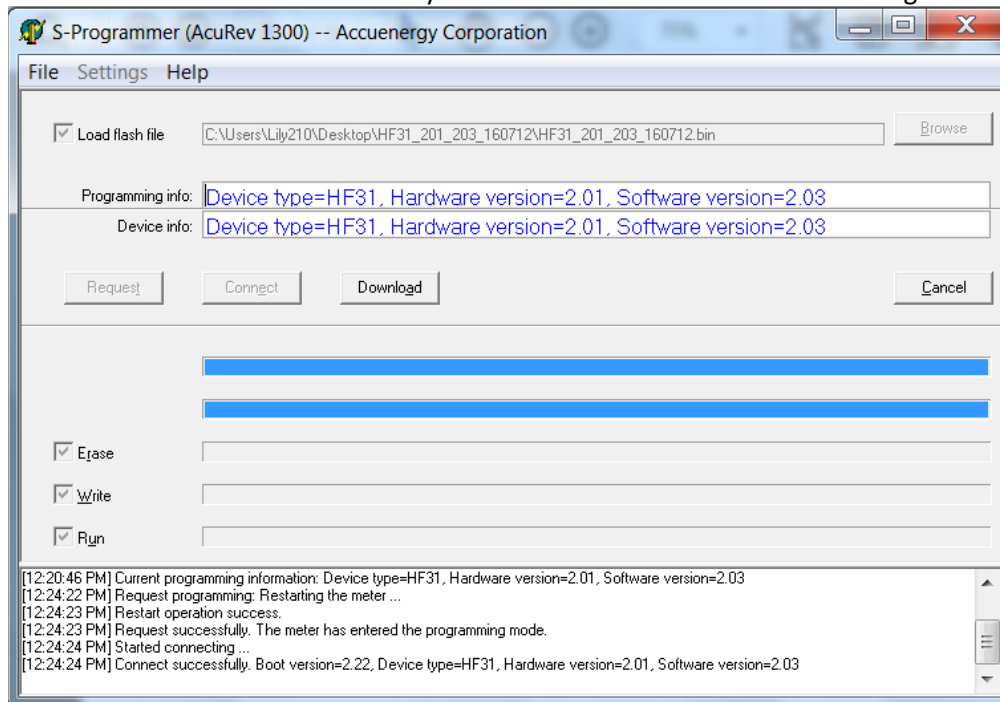


Figure 7

Step 6: Click 'Download'. A warning will be displayed (as shown in figure 8 below). Click "Yes".

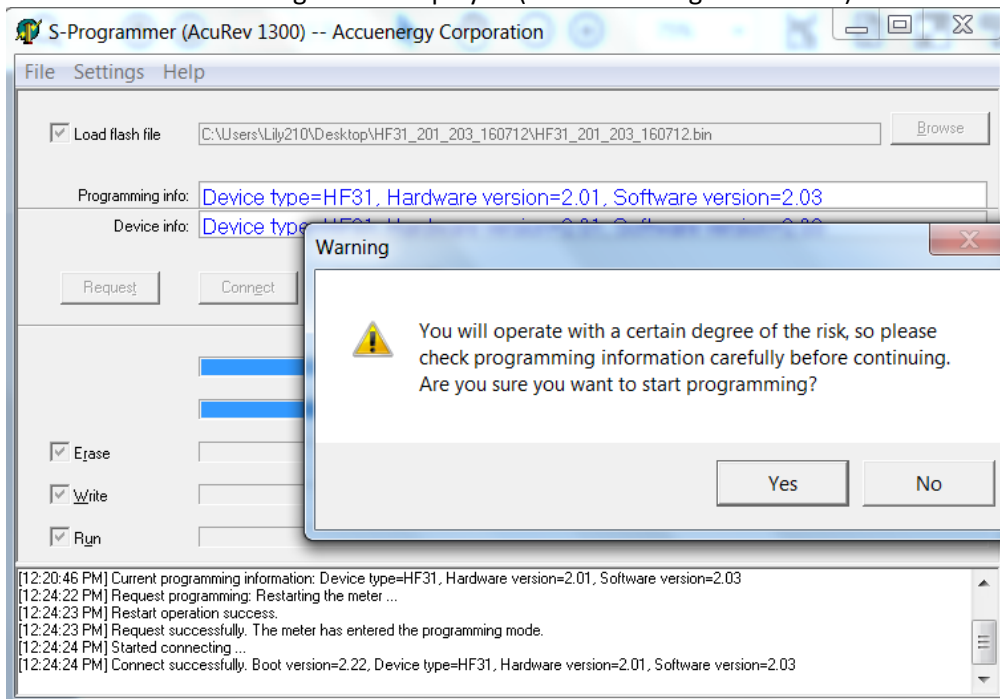


Figure 8

The updating process will begin, as shown in figure 9 below.

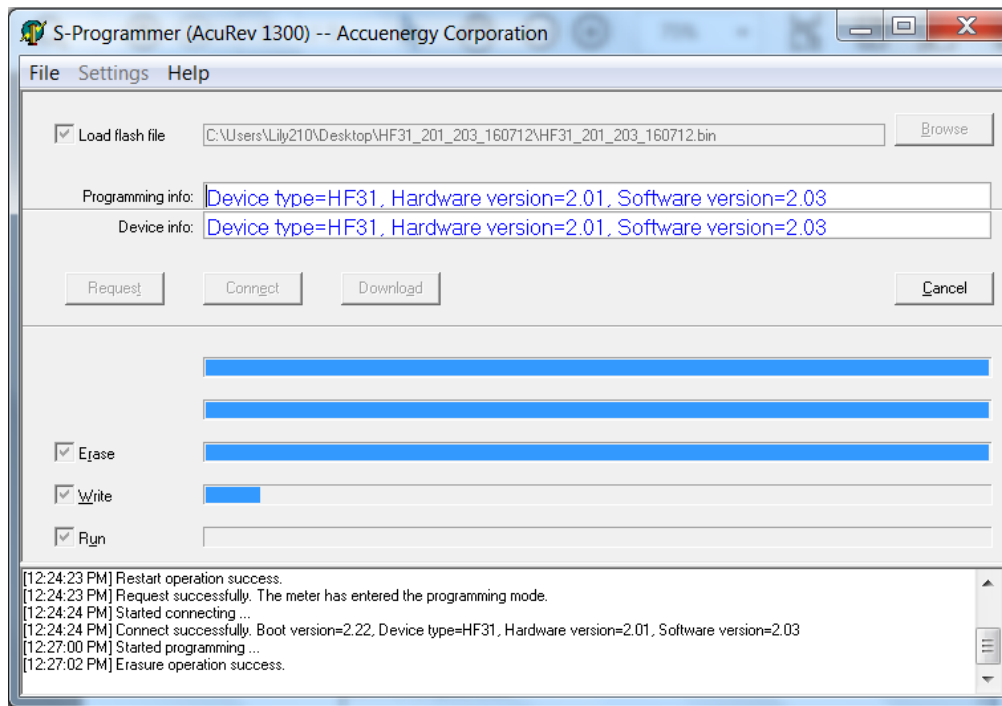


Figure 9

Step 7: Once the update is done, a prompt window will be displayed (as shown in figure 10 below). Click "OK"

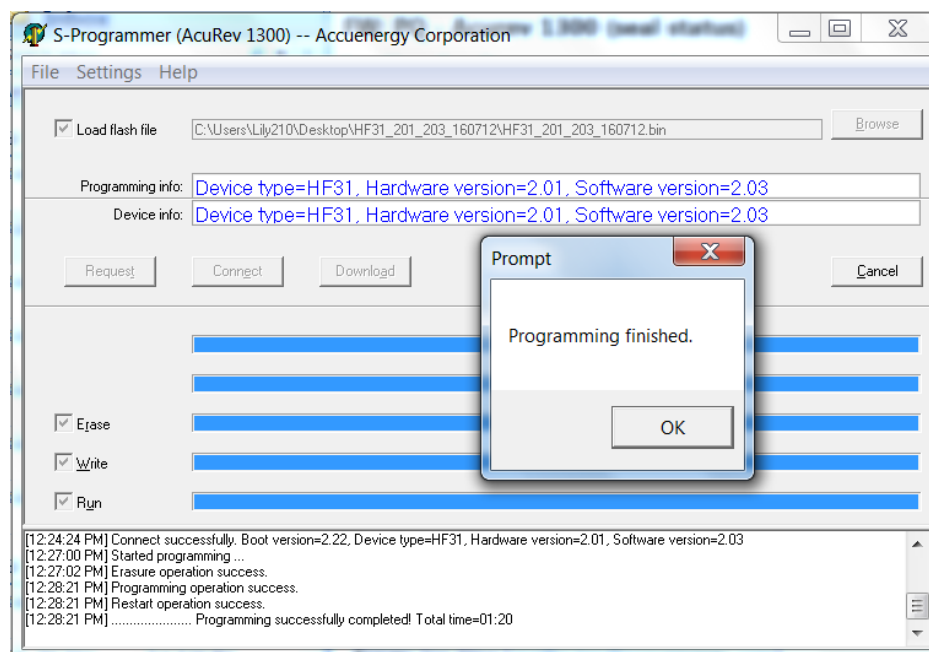


Figure 10



To confirm from the meter display, press and hold the "SROLL" button until you get to the All Parameter Mode. Press the "SCROLL" button to view the Firmware version which will be on Page 7.

The meter has now been updated. To confirm the update, check the "Device Information" page using the AcuRev 1310 Utility software by reading the "Software Version".

To check this on the software make sure you have your RS 485 converter connected to the AcuRev 1310 meter as in Step 1(Figure 1). Then open up the AcuRev1310 Utility Software, you will be prompted by a screen with connection settings. Select the right "Com Port", the "Baud rate", "parity" and "Device Address" of the meter. Click "OK". The window, as shown in figure 11 below, will be displayed.

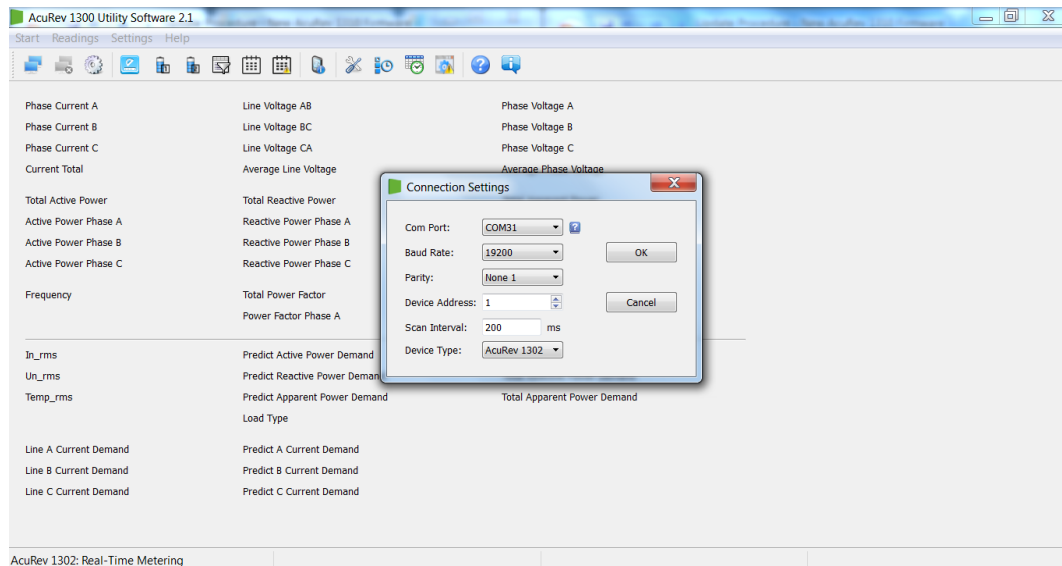


Figure 11

Next go to the "Readings" menu and click on "Device Information". You should see the updated firmware version by reading the "Software Version" of the meter.

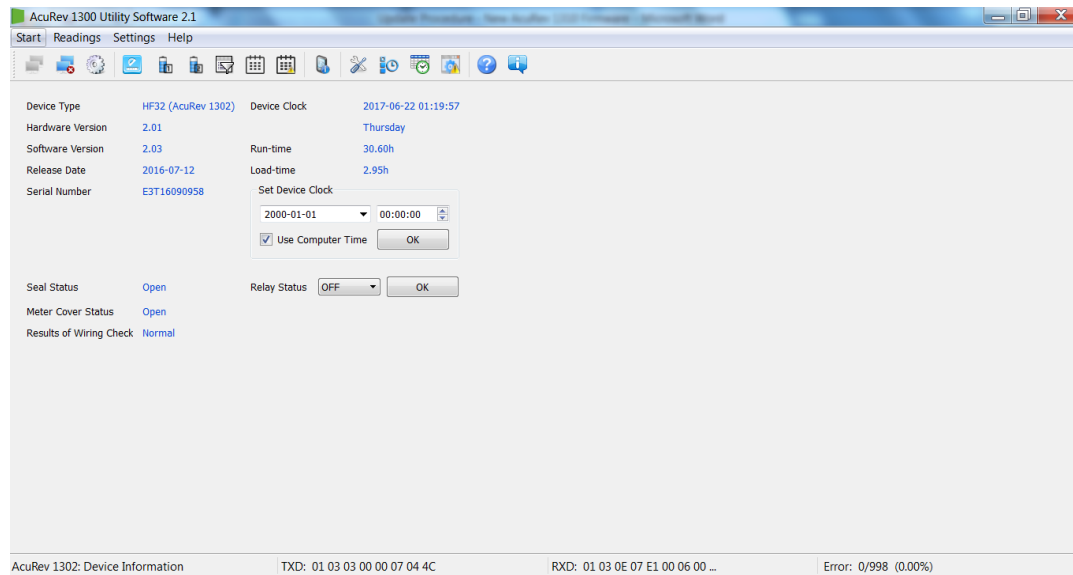


Figure 12