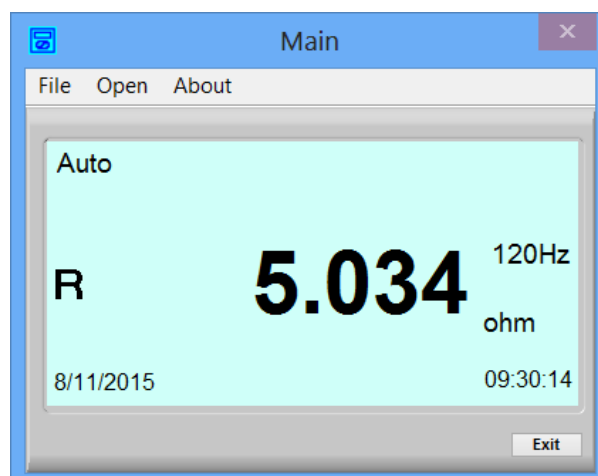




380193 LCR Meter Software Help Guide



Software Introduction

The 380193 software is designed for collecting data from the 380193 LCR Meter when it is connected to a desktop or notebook pc. The data may be displayed graphically, as text, or exported to Excel or similar programs.

System Required:

Windows 7, Windows 8.1 and Windows 10

Minimum Hardware Required:

Pentium Processor - 90MHz or higher/32 MB RAM

The Manometer serial software program requires at least 5 MB of hard disk space for installation.

Recommended display resolution 1024 X768 with High Color (16 bit).

Installation Process

Insert the supplied software CD into the PC. Run autorun.exe and wait for the installer splash screen to appear. From this menu, the USB drivers and software can be installed, and the Instruction Manual for the meter can be accessed.

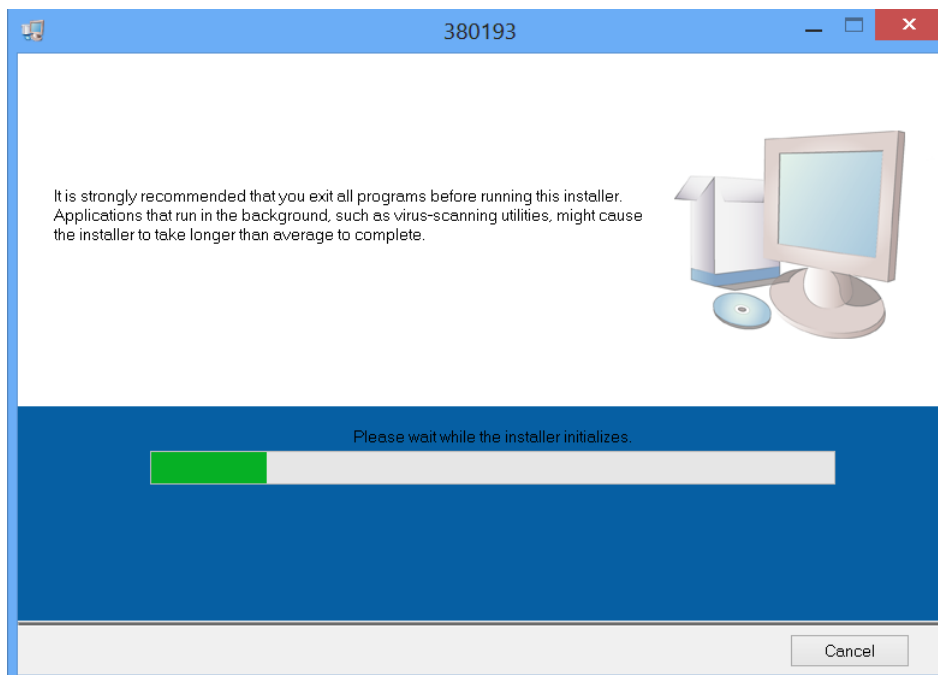
Install USB Driver

First install the USB driver by clicking on the Drivers button. A command prompt screen will pop up and install the drivers.



Install Software

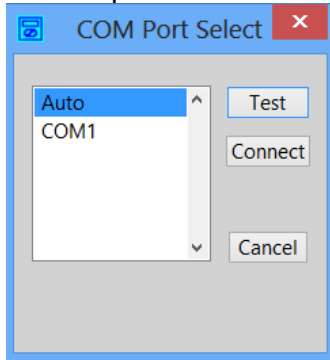
Next, install the software by clicking on the Software button. Follow through the installation process by clicking on the next buttons until finished.



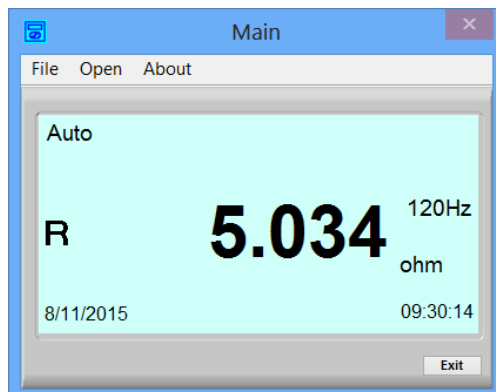
Connect Device

Once the installation process is completed, plug the meter into the computer using the supplied USB cable. Then go to the start menu and run the software.

First a com port selection screen will pop up. Click the auto button:



If the meter can successfully communicate with the PC, the software will move on to the main screen.



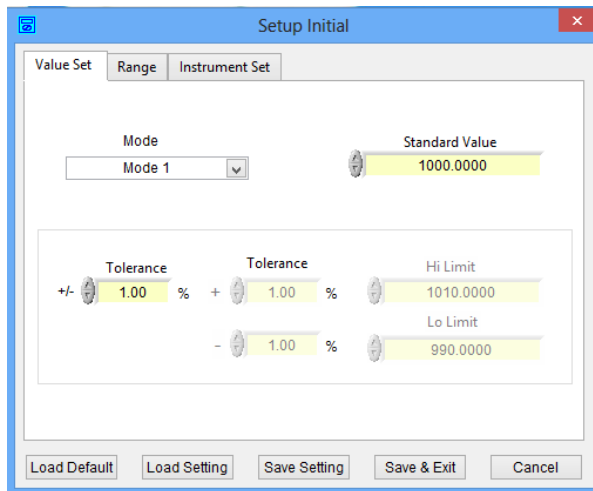
If the auto button failed to find a port, try unplugging the USB cable and plugging it into a different port. Then close the com port window, open the file menu, and click on Set Com-Port. Now there should be another com port to select. Click the auto button again and this time it should successfully connect to the new com port.

Initial Setup

Click on the **OPEN** menu tab and choose **Setup Initial**.

Value Set Tab

There are symmetrical, dissymmetrical, and direct inputs Hi/Lo Limits. The Go/No Go will be the basis of the three modes.

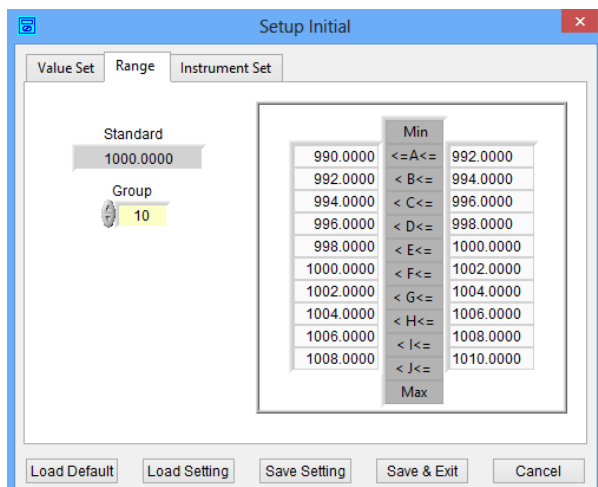


To set the Main tolerance level, set the Mode to Mode 1
To set the Hi and lo Limit Tolerances, set the Mode to Mode 2
To set the Hi and Lo limits, set the Mode to Mode 3

Range Tab

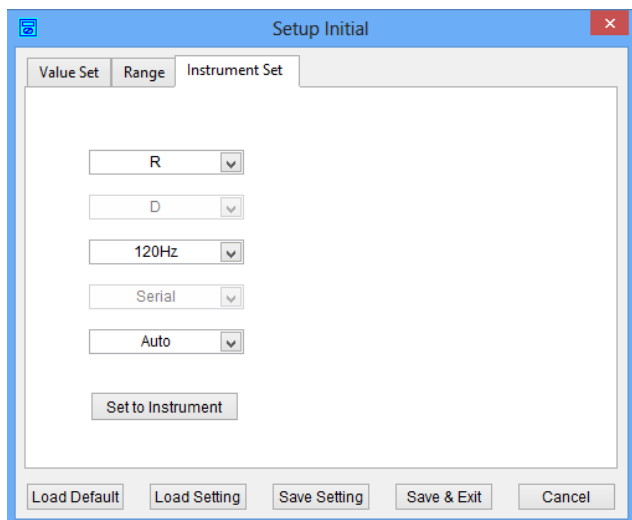
This screen shows the current range and the group number (1~10) that the user can change. The Auto/Manual selection can calculate automatically or be changed by hand. When the left side value is greater than the right side value, the Wrong Range will light up.

While the Wrong Range lights up, user should adjust the value or there will be an error.



Instrument Set Tab

The user also can set the LCR Meter parameters (L/C/R, Q/D/R, Frequency, Parallel/Serial, Auto/Menu), then click "Set Instrument" button to set the parameter into the LCR Meter.



Profile

Click on the **OPEN** menu tab, and choose **Profile**.

Buttons

Auto Record – Record data with 1 second sample rate

Record – Manually record a data point

Clean – Clear the recorded data table

Save Data – Allows the user to save recorded data to a text or Excel file

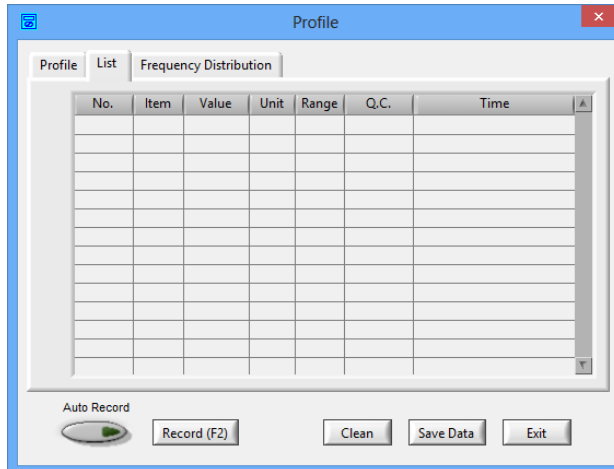
Profile Tab

Displays the setup values including current value, maximum (Max), minimum (Min), average (Avg), total number (Total), and Reject Rate.

The screenshot shows a software window titled "Profile" with a blue title bar and standard Windows window controls. Inside the window, there are three tabs: "Profile" (selected), "List", and "Frequency Distribution". The "Profile" tab contains several input fields and a graphical display. On the left, there are input fields for "Avg" (0), "Max" (0), and "Min" (0). Below these are "Hi Limits" (1010) and "Lo Limits" (990.0). On the right, there is a graphical display with a red bar and a slider, with labels "Lo", "Normal", and "Hi". Below this is a "Current Value" section showing "0.778 ohm". Further down, there are "Total" (0) and "Reject Rate" (0 %) fields. At the bottom of the window, there is an "Auto Record" section with a green play button icon and a "Record (F2)" button. To the right of these are "Clean", "Save Data", and "Exit" buttons.

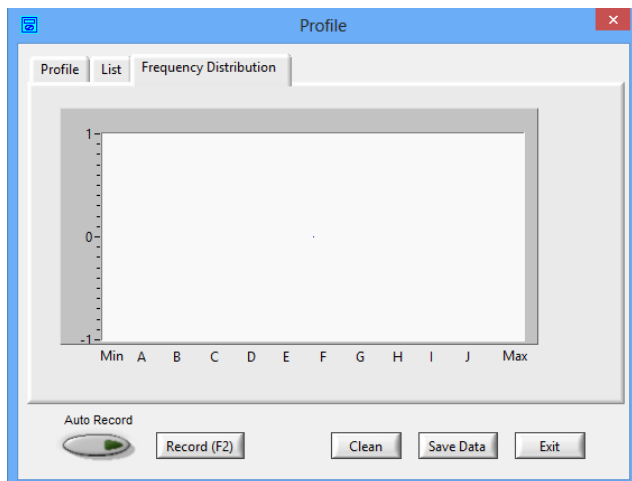
List Tab

This tab shows real-time data in table form.
Run Auto Record to collect a List of data.



Frequency Distribution Tab

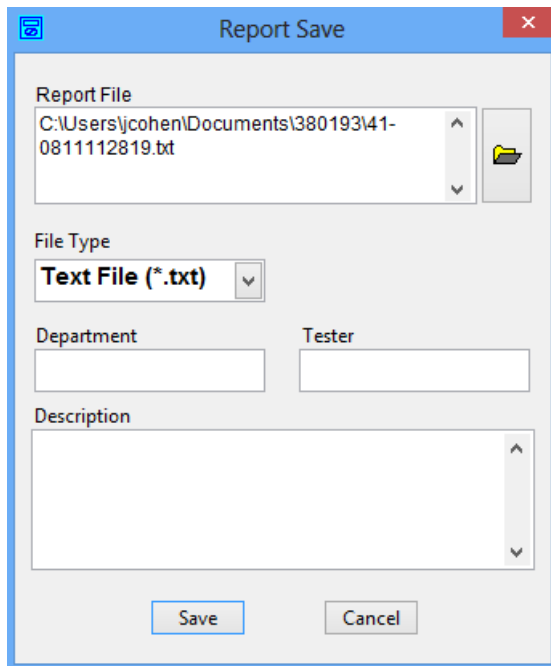
This tab shows real-time data in histogram form.
Each column is a range set up in the setup screen.



Save Data

To save the recorded data, click the Save Data button.

This screen allows the user to change the save name and location, file type, and gives the ability to add descriptive fields to the file.



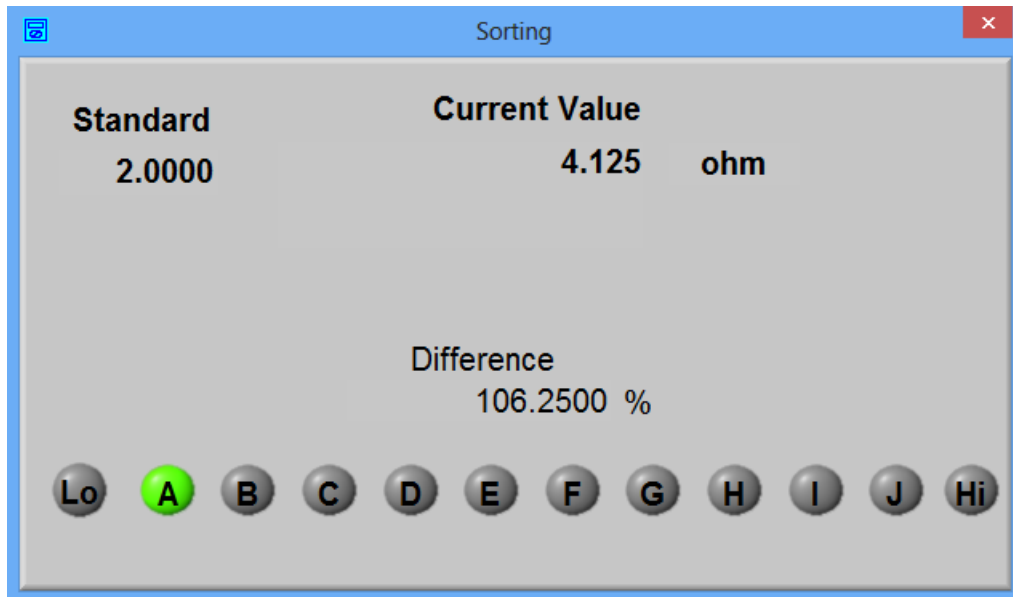
The image shows a 'Report Save' dialog box with a blue title bar and a red close button. The dialog contains the following fields and controls:

- Report File:** A text box containing the path 'C:\Users\jcohen\Documents\380193\41-0811112819.txt' and a file explorer icon to its right.
- File Type:** A dropdown menu currently set to 'Text File (*.txt)'.
- Department:** An empty text input field.
- Tester:** An empty text input field.
- Description:** A large, empty text area with a vertical scrollbar.
- Buttons:** 'Save' and 'Cancel' buttons at the bottom.

Sorting

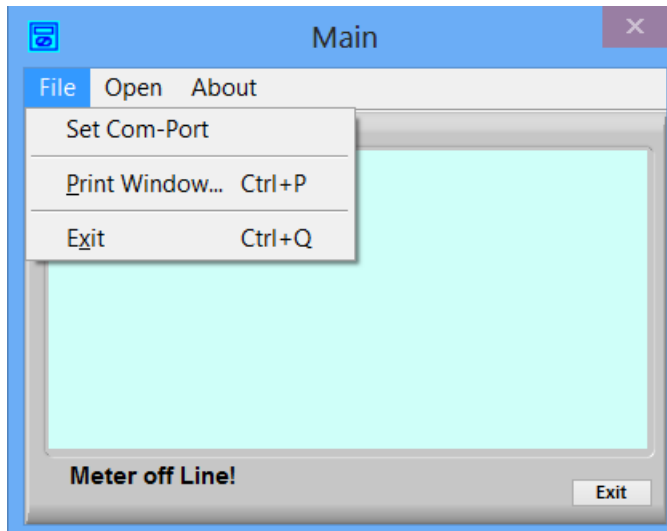
Click on the **OPEN** menu tab, and choose **Sorting**.

This screen gives a clear view of where the current value sits on the scale of ranges, set in the setup screen.



Printing

Print the current screen by clicking on the **FILE** menu tab, then choose Print Window.



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