

Instructions for Loading SL95 Calibrations using Windows 98

The terminal program on Windows 98 is called HyperTerminal. It can be accessed through the Start button on Windows 98 as follows: Click on the Start Button, then choose Programs, and another menu pops up, then choose Accessories on this menu, and similarly choose Communications, and click on HyperTerminal. This brings up the HyperTerminal folder.

You will need to set up a connection for the SL95, which will remember all the communications settings, so that next time you can just use this connection. To do this, double click on the icon labeled Hypertrm (the file is actually Hypertrm.exe). Double Clicking on this runs the Hyperterminal program. The program pops up a dialog box for creating a new "connection". Fill in the connection name with something meaningful such as "SL95 Calibration Download", choose an icon (doesn't matter which), and click OK.

The program now comes up with a "Connect to" dialog box. The bottom entry box, called "Connect using", has an arrow next to it. Click on this and select "Direct to COM1" or "Direct to COM2" depending on which serial port *on the computer* you will be using. This is distinct from the serial port designation on the SL95, of course. The entry box should now show the selection you just made. Then click the OK button.

The program now shows a "COM1 Properties" (or "COM2 Properties") dialog box. Bits per second should be set to "9600", Data Bits to "8", Parity to "none", Stop bits to "1", and Flow control to "Hardware". The Bits per second option should be the only one you have to change. Then click the OK button.

It's useful (but not necessary) to set the program up so that it will move to the next line when it receives a carriage return from the SL. The SL95 will return a single digit (0= Ok, non-zero= some problem, such as that the unit is sealed) followed by a carriage return for each calibration sent to it. To set the terminal program to move to the next line, rather than overwriting the previous code, select the file menu, and from this the properties option. Click on the "Settings" tab on the resulting dialog box. Click on the "ASCII setup" button. In the lower section labelled "ASCII receiving" check the option "Append line feed to incoming line ends", then click OK.

Save the connection by selecting File, Save. You have now finished creating the connection. Next time that you want to load calibrations, you go to the HyperTerminal folder (as described in the first paragraph) and click on the icon for this connection, which will be labeled with the name you gave it in the second paragraph. This will run the HyperTerminal program and set it up with all the settings from paragraphs 2 through 4.

Now, to Download calibrations to the SL95, connect the SL95 to the serial port using an appropriate wired cable (see illustration). Unseal the SL95 by sliding the black knob on the brass rod in the upper rear area of the left inset area (by the battery) all the way to the front of the unit. On the SL95, hit the menu key, then select [Config], and then [COM1] or [COM2] depending on which SL95 port you connected to. COM1 is the one on the vertical face of the inset area, above the serial number tag. Select the [Baud] option and change to 9600 baud. Also check that the

parity is set to N, the bits to 8, and stop bits to 1 ([Pa: N], [Bt: 8], [St: 1]). They might not be set right if the battery has run down.

Insert the floppy disk with the calibrations file on it into drive A of the computer. From the Hyperterminal Program select the transfer menu, and the "send text file". Enter the name of the calibration file to be transferred (e.g. a:ntep.lod), and click Open. The SL95 should show a message saying it is downloading a calibration on COM1 (or COM2, if that's the SL port you hooked to). After each calibration is successfully downloaded, the SL replies with a zero, which should show up on the hyperterminal program. If some error occurs, this reply will be some nonzero digit. Note in particular that if the unit is sealed, this will cause an error, and the calibrations will not be stored on the SL95.

After the calibrations are loaded, set the SL baud rate back to what it was. If a printer supplied by Steinlite is connected to this port, the baud rate is 1200.