This quick start guide covers the connection of the Nanoparticle Emission Tester (NPET) to a computer, installation, and configuration of the Nanoparticle Emission Software. For detailed instructions on how to operate the NPET, see the user manual included with the instrument or installed with the software.

## Software Installation

1.  Shut down (exit) all programs/applications on the Windows® desktop.

2.  With the computer on and Windows® running, insert the Model 3795 Software CD-ROM in your CD drive or download the software from our website at: http://www.tsi.com/NPETsoftwaredownload.

    To run the **setup.exe** from the CD:

    a.  If AutoPlay is enabled on your PC, the setup program begins automatically and the introduction screen is displayed on the Windows desktop.

    b.  If AutoPlay is not enabled, select **Run** from the **Start** menu and type: **D:\SETUP** in the Open box and press **OK**. (if D is the letter corresponding to your CD drive.)
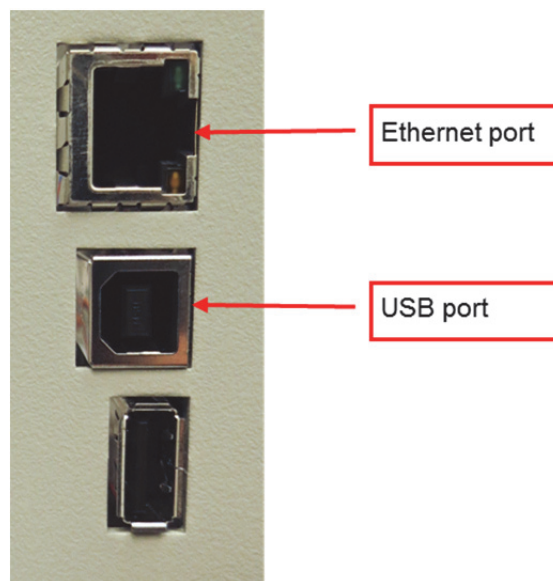
    To install the software from the website, follow the download and installation instructions on the website.

3.  Follow the instructions as the setup program runs.

4.  When the installation program finishes, remove the CD-ROM, and store the CD-ROM in a safe place for later use.

## Connecting the Emission Tester to the Computer

A computer (PC) or tablet device is required to operate the Nanoparticle Emission Tester (NPET). The NPET can be connected to the computer using the provided Ethernet crossover cable, or if the PC is enabled with automatic crossover, a standard Ethernet cable.

*Note*: *The USB connection is reserved for firmware updates—any other use is not supported.*

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Connect the Ethernet cable (crossover or standard, depending on your computer configuration) to the Ethernet port on the back panel of the NPET. Connect the other end of the cable to the PC. If using a tablet PC that does not have an Ethernet port, an Ethernet to USB adapter must be used.
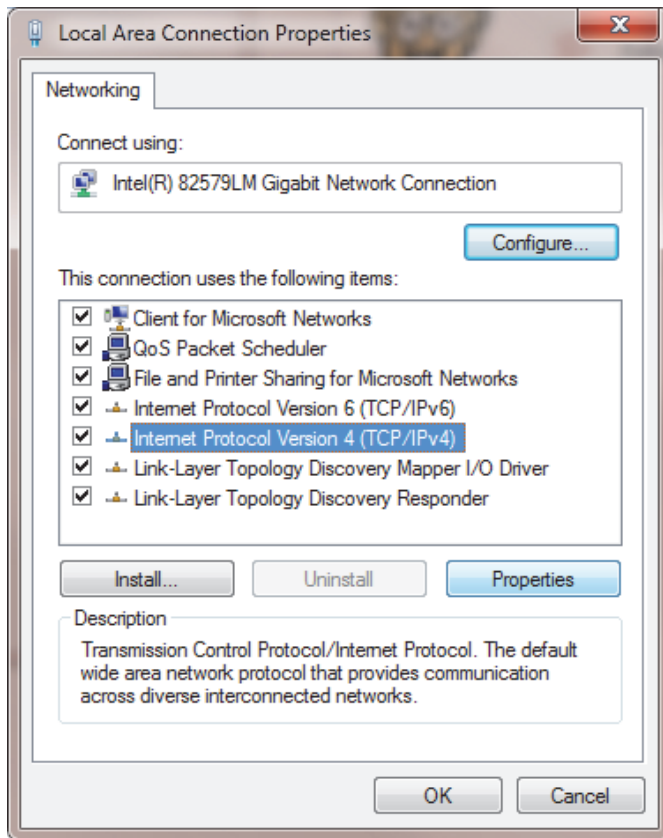
To connect the computer to a printer, consult the printer manufacturer's directions.

## Ethernet Communication

The default IP address for the instrument is 192.168.0.50. To assign a static IP address on the PC or tablet to use this address, follow these steps on Windows® 7 or Windows® 8 operating system:
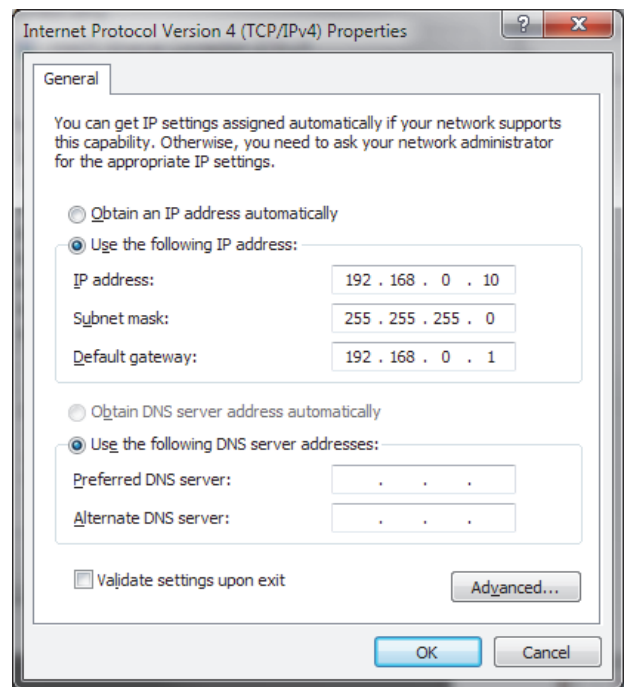
1.  Open the Network and Sharing Center from the Control Panel.

2.  Select **Change adapter settings**.

3. Right-click on the Local Area Connection to display its Properties.

4. Highlight the *Internet Protocol Version 4 (TCP/IPv4)* item then click the **Properties** button.



5. Now select the "**Use the following IP address**" radio button.

6. Enter the IP address: 192.168.0.10

7. Enter the subnet: 255.255.255.0

8. Enter the default gateway:192.168.0.1

   *Note: You **do not** have to specify a DNS server address.*



9. Click **OK** when you are done.

10. Click **Close** to close the Local Area Connection Properties window.

## Software Connection

1. Verify the NPET is connected via Ethernet. Power on the NPET by plugging the power cord into the AC power connection on the NPET and the other end into an electrical supply. Flip the rocker switch to the on position (if previously shut down via the lighted power switch, press the lighted power switch to complete powering on).

2. Allow the instrument to run for 30 seconds. Run the Nanoparticle Emission Tester software by double-clicking the icon on the desktop.

3. The software will automatically connect to the device. In the event that the device does not connect, click the ⚙ icon in the upper right hand corner of the screen to open the settings window.

4. Verify that the IP address shown matches the default instrument IP address (192.168.0.50).

5. Manually connect to the instrument by clicking the 🖥 icon in the settings window.

6. Further instructions can be found in the Instruction Manual located in the installation directory.

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