

CI-700LP LEAF PROBE

The CI-700LP Leaf Probe is designed to measure leaf reflection and transmission. It has a built-in Tungsten/Halogen light source/lamp. The light bulb is inside the tip of the black cable. (see Figure 1)

CONFIGURATIONS

The CI-700LP Leaf Probe is shown in Figures 1 & 2.

- 1) Before operating, connect one end of the USB cable to the Spectrometer and the other end to the computer.
 - a) To take a leaf measurement using the leaf probe, depress the leaf probe spring and insert the leaf.
 - b) For measuring transmittance, plug the lamp into the top port. (Figure 3)
 - c) To take reflectance measurements, plug the lamp into the side port. (Figure 4)
- 2) Start the software.
- 3) Make sure all the connections are tight.

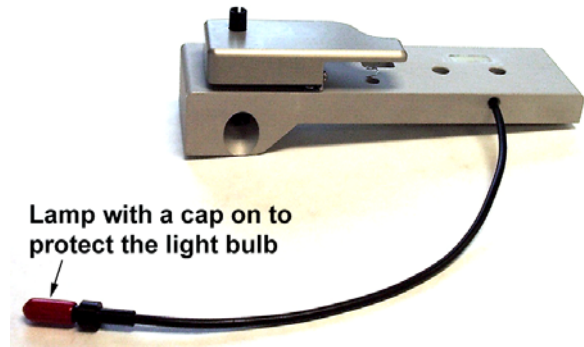


Figure 1. The CI-700LP Leaf Probe

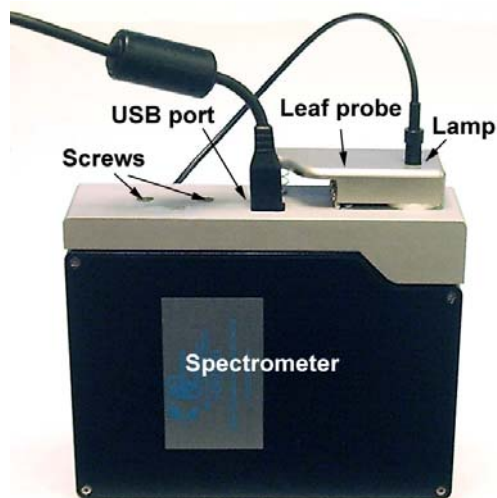


Figure 2. The CI-700LP Leaf Probe mounted on top of spectrometer.



Figure 3. Plug the lamp into the top port for transmission.



Figure 4. Plug the lamp into the side port measuring for measuring reflectance.

Before you start measuring, you need to do a dark and light calibration. See the **Help Menu** in the Software for calibration, collecting and storing data.

REMOVING THE LEAF PROBE

To remove the Leaf Probe from the Spectrometer, use the Allen wrench provided to remove the screws located on the top of the Leaf Probe by the USB port. (Figure 5 & 6)

To use the Spectrometer without the Leaf Probe, plug the fiber into the fiber port. (Figure 7)



Figure 5. To remove the Leaf Probe from the Spectrometer, use an Allen wrench to remove the screws located on the top of the Leaf Probe.

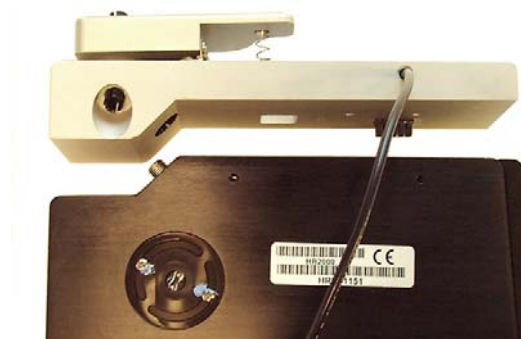


Figure 6. To use without the Leaf Probe, plug the fiber into the fiber port.



Figure 7. To use without the Leaf Probe, plug the fiber into the fiber port

Warning: Please use extreme caution when handling, removing, inserting and storing the Leaf Probe. Mishandling (dropping, banging, rough handling) may cause damage to the LED DIODE Bulb. Manual contact of the LED DIODE Bulb is not recommended. Handle the LED DIODE Bulb as you would any optical glass component. An extra LED DIODE Bulb is provided.