

Model 2550 Power Supply

In each category below, the power supply control panel is described from left to right, top to bottom as shown in Figure 4-4.

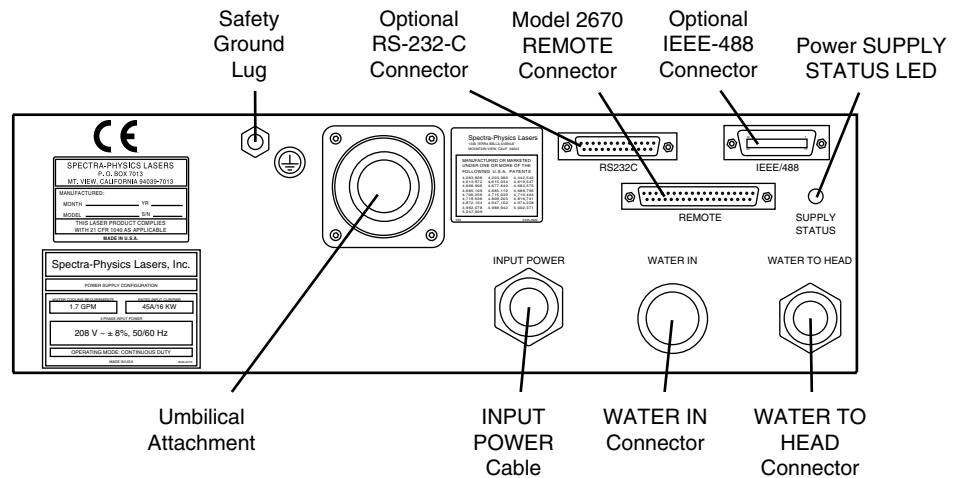


Figure 4-4: Front Panel of the Model 2550 Power Supply

Controls

The only control on the power supply is inside: the cover interlock switch. Refer to . When the cover is in place, it pushes down on a lever that closes a spring-loaded switch. When the cover is removed, the spring raises the plunger and opens the switch. It is this condition that opens the interlock loop and turns off the laser. The switch can be defeated when the cover is off by pulling up on the plunger, which again closes the switch.



Danger!



Be very careful when operating the power supply with the cover removed and interlock switch defeated. There are several high-voltage, high-current devices inside that can prove lethal if accidentally touched.

Indicators

SUPPLY STATUS (green)—located near the REMOTE connector on the power supply, glows to indicate the 5 Vdc power supply is working properly. It must be glowing before the laser will start.

Connections

Safety Ground Lug—provides connection for a safety ground strap for accessories.

Umbilical attachment—provides a means to attach the umbilical to the power supply. The cable hub is an anchor point for the umbilical and a pass-through for the laser head high current and control cables, which connect to the power pc board. Although the umbilical can be disconnected, for convenience we suggest you place both the laser head and power supply on a gurney to transport them.