

## IRAT Laser Shut Down Procedure

### S-AB-P-041 Rev B

#### Procedures for Shutting Down the IRAT Laser from CW or Q-Switched Modes

**Precursor:**

This is a Class 4 laser operating at 1053nm. Appropriate eye protection must be worn at all times when laser is “ON”.

**Procedure for shutting down the laser from CW or Q-Switched mode:**

1	Press the “MENU” button to display the main menu. (See Figure 1)	<input type="checkbox"/>
2	Press the “PREVIOUS/NEXT” button to select the Diode Setting menu.	<input type="checkbox"/>
3	Press “ENTER” to display the diode setting sub-menu.	<input type="checkbox"/>
4	Press the “PREVIOUS/NEXT” button to move the cursor to the $I_S$ parameter ( $I_S$ = current set point) location.	<input type="checkbox"/>
5	Press “ENTER” to make the cursor blink.	<input type="checkbox"/>
6	Use either the “PREVIOUS/NEXT” button or the knob to turn down the current to 0.0 Amps.	<input type="checkbox"/>
7	Press the “ENTER” button to save the setting to the system. (This step ensures that when the laser is next turned on that there is no current started and the system is not damaged.)	<input type="checkbox"/>
8	Wait until the $I_A$ ( $I_A$ = actual current) value falls to 0.0 Amp.	<input type="checkbox"/>
9	Press the “LDD” button to shutdown the laser diode driver.	<input type="checkbox"/>
10	Turn the “LASER ENABLE” key to “OFF” to lock the laser diode driver.	<input type="checkbox"/>
11	Press the “SHUTTER” button so that the light is not illuminated.	<input type="checkbox"/>
12	Switch the amber “POWER” button to “OFF”.	<input type="checkbox"/>

13	Inform the Shot Director which IRAT laser has been turned off. The IRAT lasers are interlocked together.	<input type="checkbox"/>
End of Procedure		

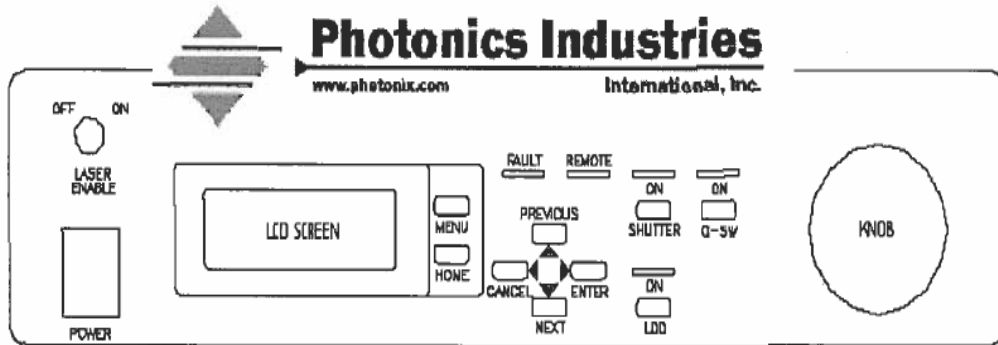


Figure 1. Front Panel of the Laser Driver Controller

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**Document Release:**

This document is a component of Vol. IX OMEGA EP System Startup and Shut Down, Chapter 4, Beamlines Operating Procedures, S-AB-P-013.

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