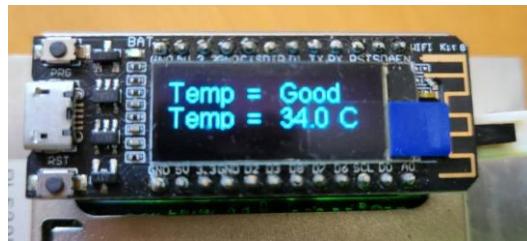


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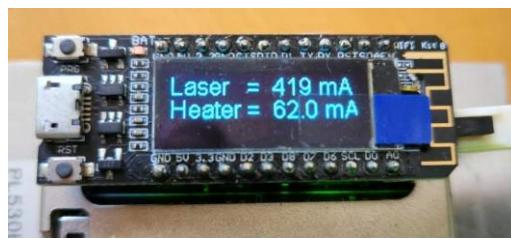
## Operation Notes for PL530 Laser Module PL530EK

(Rev. 1-20-26)

1. Refer to the included **Panel Layout** drawing for a description of the module's operating functions.
2. Connect a +5VDC power supply to the power jack.
3. Slide the **ON/OFF** switch to **ON** position to power on the unit.  
The Kit8 screen will begin initializing. Once the TEC temperature reaches the set point and stabilizes, the display will show "**Temp = Good.**"



4. Once the **Temp = Good** displayed, press the **Laser Enable** pushbutton switch to active the laser. The green laser beam will emit from the small window. **Do not look directly into the window while the power is on.**  
The screen will also display laser and heater current values.



5. The laser power can reach to over **50 mW** when shipped, but it may decrease over time.
6. To adjust the laser power output beyond the default settings, users can modify the laser and heater potentiometers.

**Note: The heater current significantly affects the power output.**

7. The default settings are: laser current preset to **450 mA** (limited to **480 mA**), and heater current to **66 mA** (limited to **100 mA**) approximately.
8. Refer to the “**Operation Procedures for LHTK PL530 Laser Driver Board**” for complete operation instructions, including Serial Port and Wi-Fi Access Point Controls
9. The drawing below shows the module's three control modes: Standalone, Serial Port, and Wi-Fi Access Point control

