



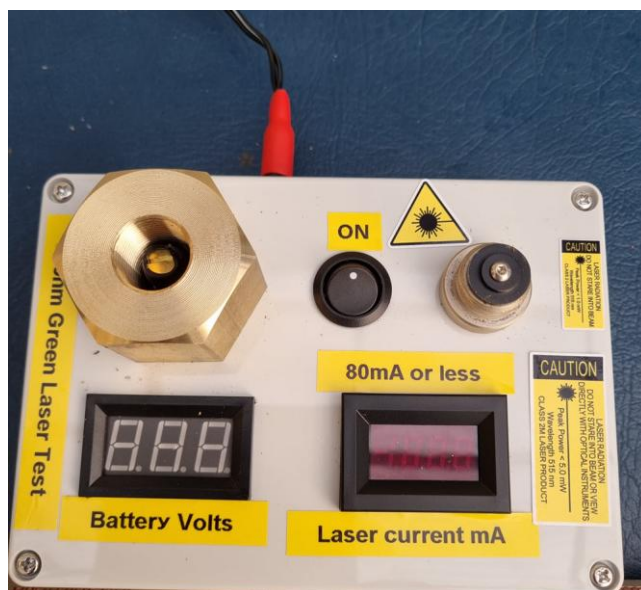
*Applied
Resolution
Technologies*

A Division of JATCO (Australia) Pty. Ltd

LASER TEST BOX 515nm LASERS

Applied Resolution Technologies has assembled a laser and battery test box to assist mines in ensuring that products are operational and within specification.

THE TEST BOX IS NOT EXTREMELY RUGGED, USE WITH A BIT OF CARE AND ATTENTION.



- The test box uses a 240V AC plug-pack to provide 12V DC to the test box. Battery tests do not rely on external power as the voltage display is powered from the battery.
- The battery test and laser test are not connected, and can be done simultaneously.

WHAT THIS TEST BOX TESTS

This test box tests BB-5C battery modules, and BLX-515S or SLM-515S laser heads.



BATTERY TEST

Screw a battery module into the brass insert on the left, ensuring that it is square to the thread. It does not need to be firmly screwed in, just loosely to the bottom of the thread. Do not force it. The display is powered by the battery module and does not need the 12VDC power.

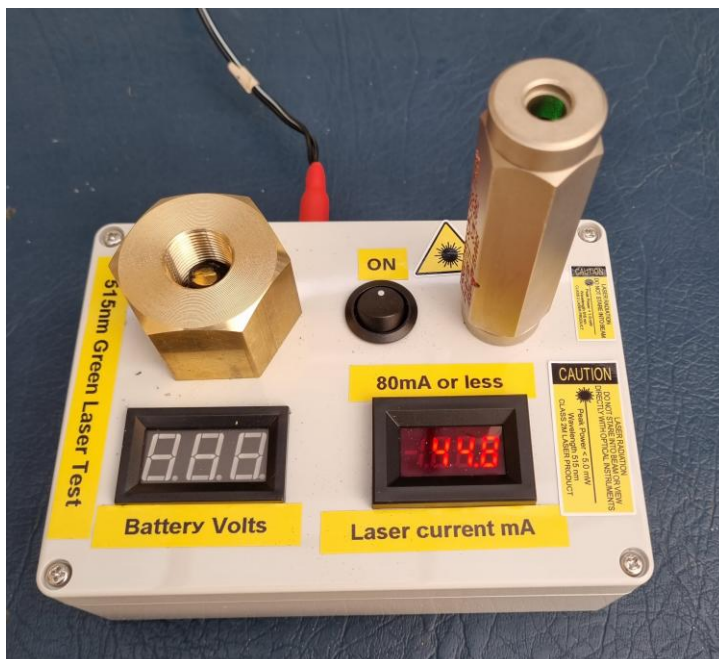


LASER TEST

Screw a laser head onto the threaded boss on the right hand side. Once again, it does not need to be tightly screwed in, do not force it and ensure that the threads are not cross-threaded. The laser test relies on power from the 12VDC plug-pack where inside there is a 7.5V DC power conversion to power the laser. There is no fusing in this box.

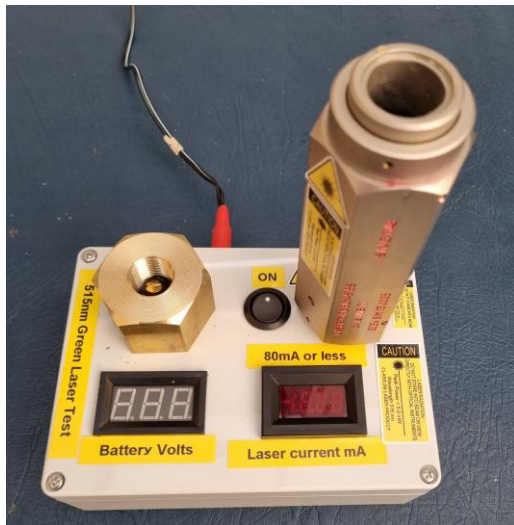


Switch the ON switch to power up the laser, BEING AWARE THAT THE LASER WILL EMIT UPWARDS. ENSURE THAT YOU ARE NOT LOOKING INTO THE LASER!!! The laser current will be displayed. If the laser current is $> 80\text{mA}$ or approaching 80mA , then the laser will blow battery module fuses and needs to be serviced with a new laser module. Laser currents can vary quite a bit, anything under 70mA is still good.



BLX-515S LASER TESTS

Similarly, screw a BLX-515S laser head onto the RHS thread and test as above. Be careful screwing it on as to not cross-thread it.



Turn on the 7.5V supply with the switch and test the laser head. Return to ART for service is approaching or exceeding 80mA.

