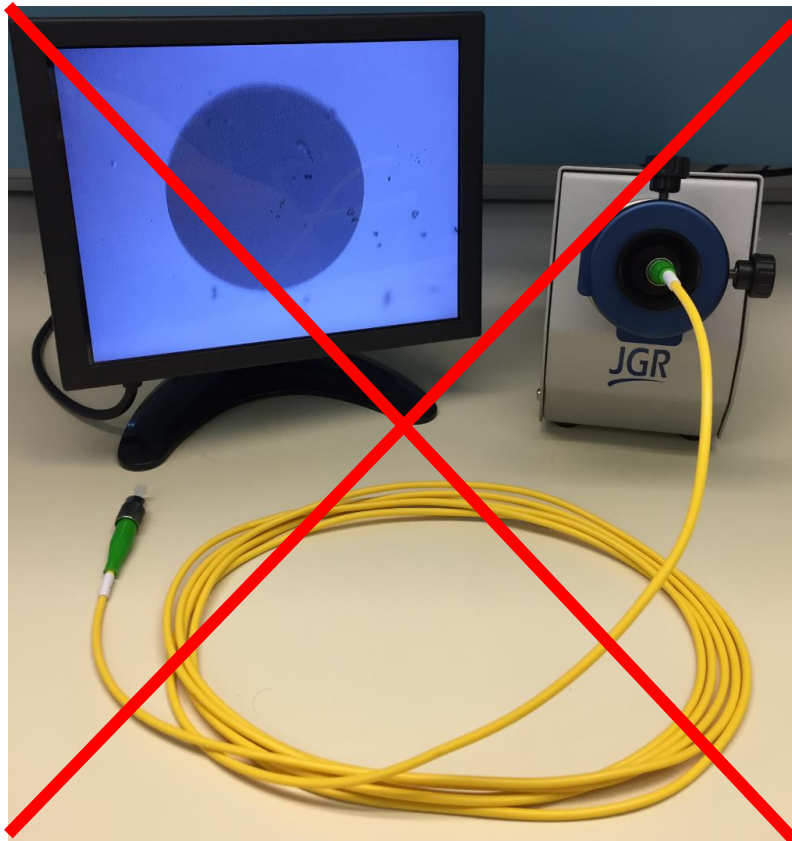


How to Reference Power and Test IL SM BR5

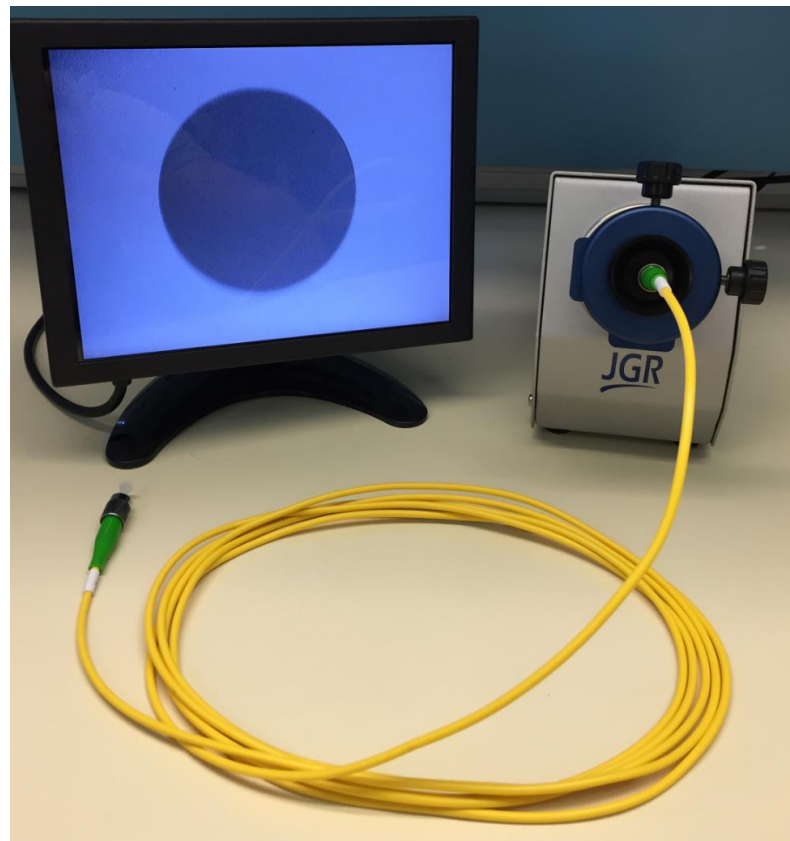
How to Reference Power and Test IL

SM BR5

- When making any connections ensure that each connector is clean and free of contaminants.
- A CS400K scope with monitor as shown below is perfect for this.



NOT SAFE TO CONNECT. CLEAN FIRST!

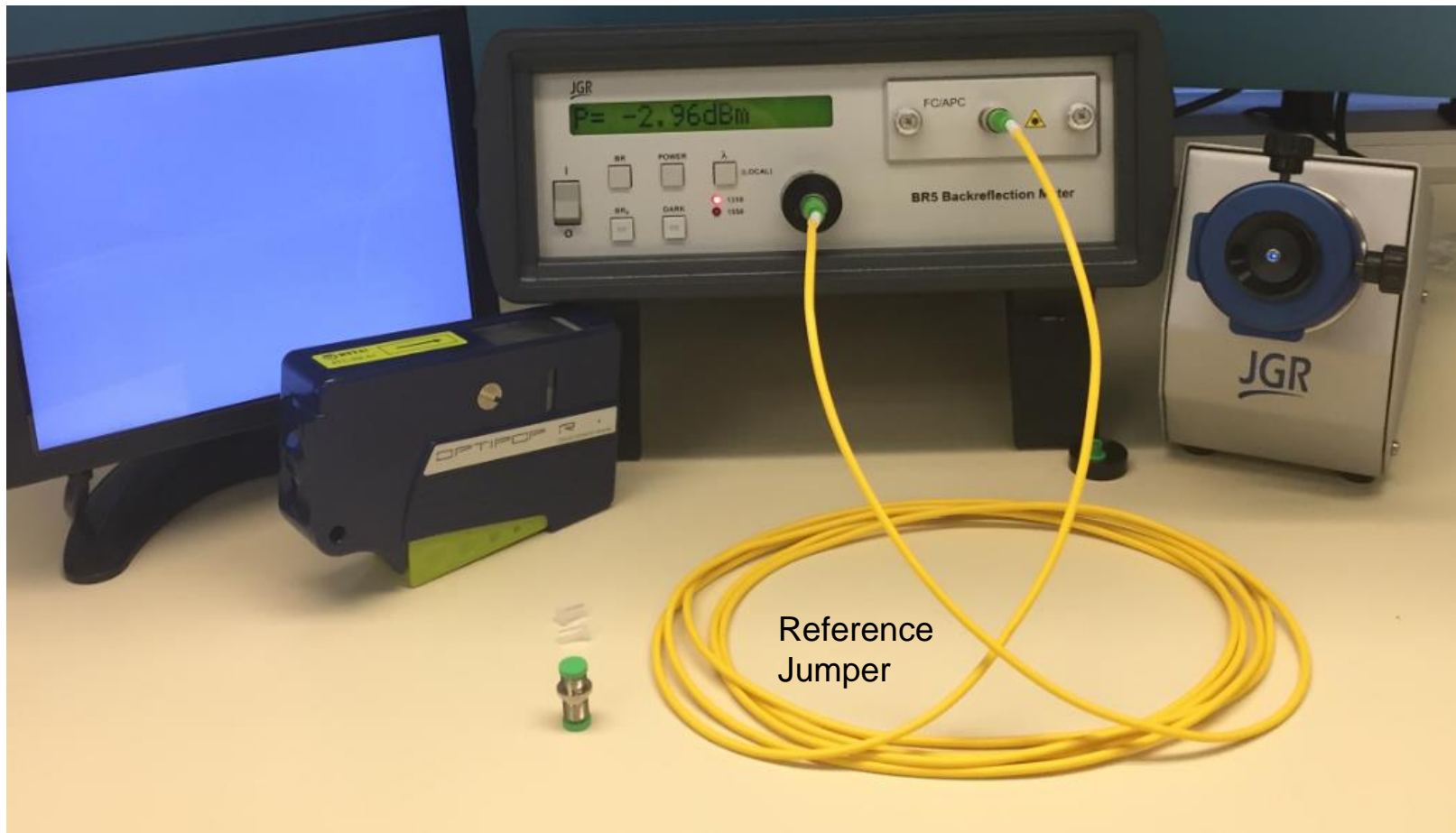


CLEAN. SAFE TO CONNECT.

How to Reference Power and Test IL

SM BR5

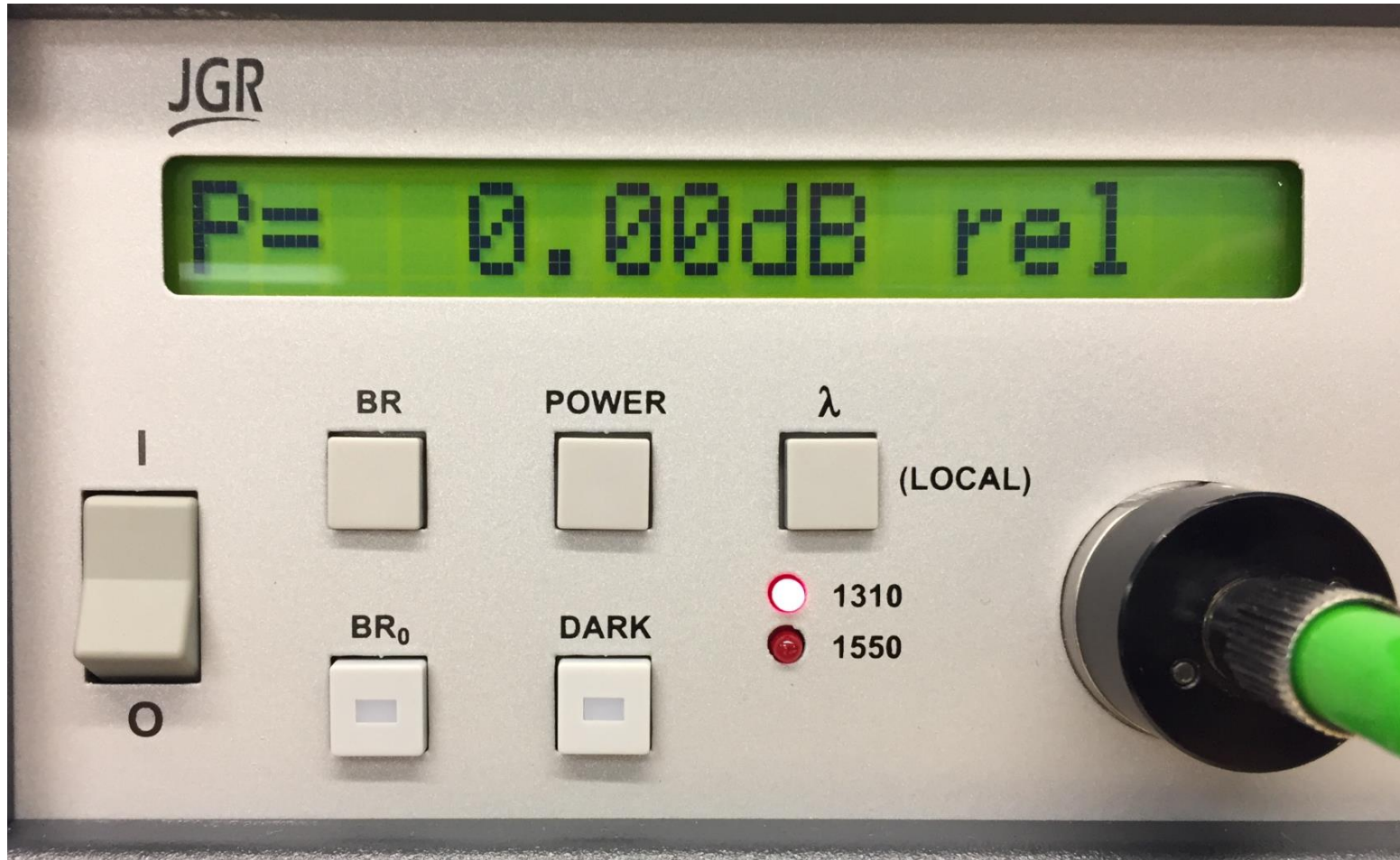
- To test IL for a DUT a reference measurement will need to be taken.
- Once all connectors are cleaned a FC/APC reference jumper can be connected to the output of the BR5 and the other end to the detector.



How to Reference Power and Test IL

SM BR5

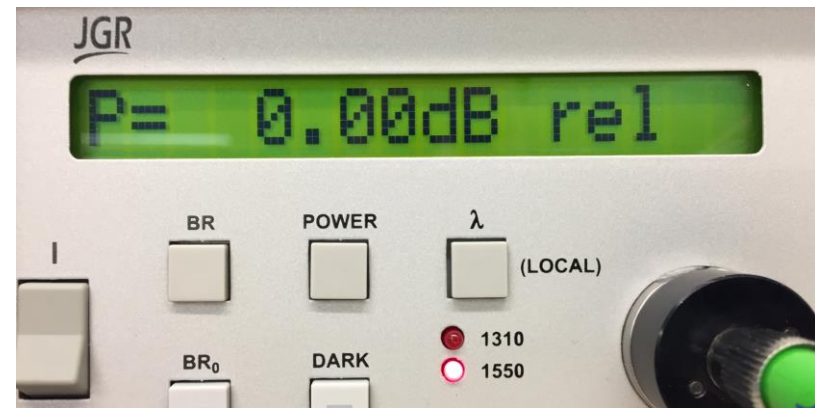
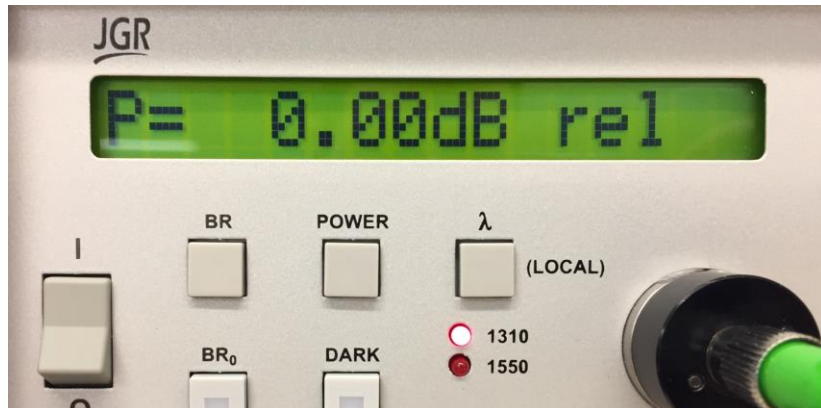
- Press and hold the “POWER” button until a click can be heard. Once the button is let go the meter will read “0.00dB rel” as shown below.



How to Reference Power and Test IL

SM BR5

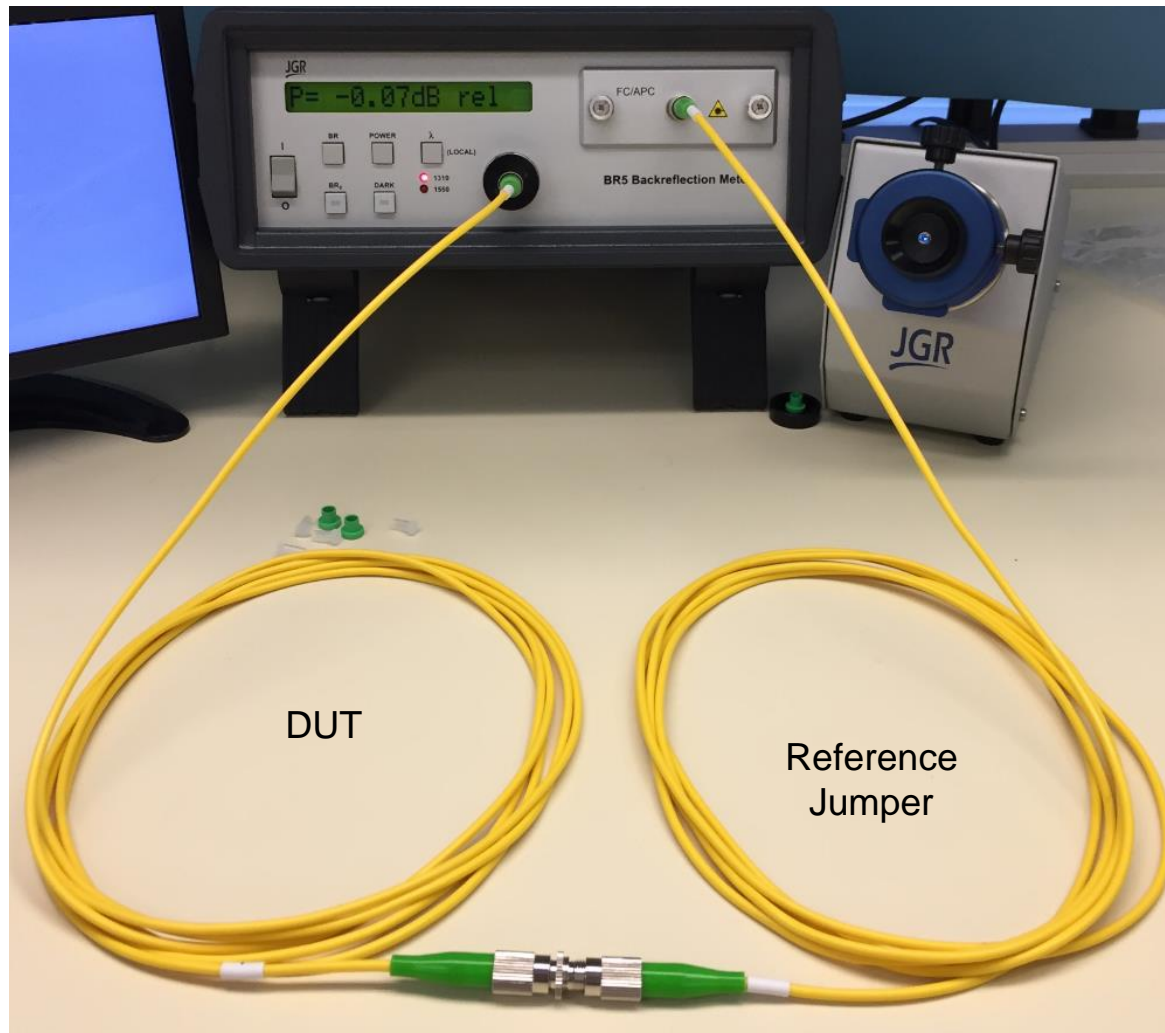
- If the “POWER” button is held long enough then all wavelengths will be referenced. See below. Otherwise do each wavelength being tested individually.



How to Reference Power and Test IL

SM BR5

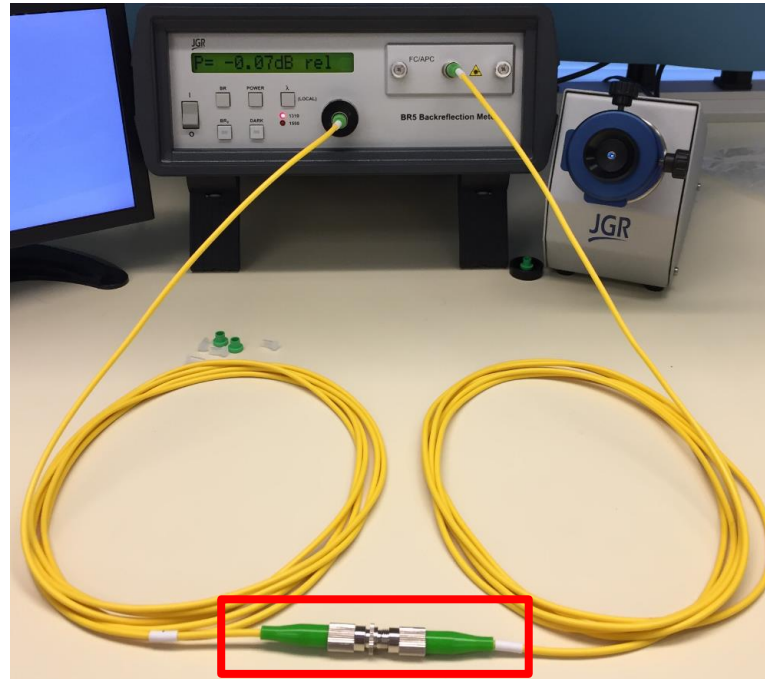
- A DUT is now ready to be measured for IL (insertion loss) with this unit.
- Connect one end of a clean DUT to the reference jumper and the other end of the DUT to the detector.



How to Reference Power and Test IL

SM BR5

- This will display the IL of the connection between the DUT and the reference jumper. (Shown below)



How to Reference Power and Test IL SM BR5

- In order to test both ends of the DUT it will need to be flipped and connected to the reference jumper again.
- Ensure to inspect each connector (including the end of the reference jumper connecting with the DUT) between each connection. Any dirt or contaminations will cause high IL.

