

IL Testing, through the Front Panel, for Simplex Cables using the OP250 as a source and OP735 as an OPM

Overview

The OP250 serves as a source laser in this test setup, with multiple wavelengths. The OP735 serves as the power meter, where the display will show test results.

Referencing Insertion Loss

The first step in referencing insertion loss is to connect a reference cable between the OP250 and the OP735. Verify this reference cable is clean and up to standard. Then, make sure that both units are on a matching wavelength. Then press the dB button on the OP735, this will create a reference value for testing.

Testing Insertion Loss

Once a reference has been created, attach the DUT between the reference cable and the detector on the OP735. The display on the OP735 will now be reading a relative IL measurement based off of the reference cable.