Quick Card

**MP-60 and MP-80 USB Optical Power Meter**

**Measuring Absolute Power on the T-BERD/MTS-5800**

The following procedure outlines how to use the VIAVI T-BERD/MTS-5800 equipped with an MP-60 or MP-80 external USB Optical Power Meter.

**Equipment Requirements:**
- T-BERD/MTS-5800 with Fiber Optics Software Release V16.50 or greater
- MP-60 or MP-80 USB Optical Power Meter
- Fiber optic cleaning and inspection tools
- Jumper Cable with connectors matching the Power Meter and Fiber Under Test (FUT)
- Optical Coupler to connect Jumper Cable to the FUT

**The following information is required to complete the test:**
- Type of Fiber (Multimode or Single Mode)
- Type of Connectors (SC UPC, SC APC, LC UPC, etc.)
- Wavelength of signal(s) to measure

**Connect to Fiber Under Test (FUT):**

The MP-60/80 may be connected to the FUT via an optical patch panel (OPP) or an optical coupler as follows. All fibers and connectors should be inspected and clean prior to connection:

1. Insert the MP-60 or MP-80 into a USB port on the side of the T-BERD/MTS-5800.
2. If the interface to the Fiber Under Test (FUT) is a patch cord, connect the patch cord to an optical coupler with the same connector type.
3. Inspect and clean the FUT connected to the coupler or OPP.
4. Inspect and clean fiber end face of your Jumper Cable.
5. Insert the Jumper Cable into MP-60 optical power meter.
6. Inspect and clean the other fiber end face of the Jumper Cable.
7. Connect the Jumper Cable to the coupler or the OPP leading to the light source.

![Figure 1: Connecting the Power Meter to an OPP or Coupler](image-url)
Measure Absolute Power:

1. Press the Power button to turn on the T-BERD/MTS-5800.
2. Tap the **PowerMeter** icon in the Status Bar at the top of the T-BERD/MTS-5800.
3. Tap the **Wavelength** drop-down menu or scroll wheel to select the wavelength.
4. Tap the **Display Units** drop-down menu and set units to **dBm**.
5. View the power level in the **USB Power Meter Summary** Results display at the top of screen.
6. Disconnect the Jumper Cable from the Power Meter and the Coupler or OPP.