

Quick Card

# MP-60 and MP-80 USB Optical Power Meter Measuring Absolute Power on the T-BERD/MTS-2000

The following procedure outlines how to use the VIAVI T-BERD/MTS-2000 equipped with an MP-60 or MP-80 external USB Optical Power Meter.

**Equipment Requirements:**

- T-BERD/MTS-2000 with Fiber Optics Software Release V18.0 or greater
- MP-60 or MP-80 USB Optical Power Meter
- Fiber optic cleaning and inspection tools
- Patch Cable with connectors matching the Power Meter and fiber under test
- Optical Coupler to connect Patch Cable to the Fiber under Test



Figure 1: Equipment Requirements

**The following information is required to complete the test:**

- Type of Fiber (Multimode or Single Mode)
- Type of Connectors (SC UPC, SC APC, LC, etc.)
- Wavelength of signal(s) to measure



Figure 2: MP-60/MP-80 USB Power Meter

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

The MP-60/80 may be connected to the Fiber under test via an optical patch panel (OPP) or an optical coupler. 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 top of the T-BERD/MTS-2000.
2. If the interface to the Fiber Under Test is a patch cable, connect the patch cable to an optical coupler with the same connector type.
3. Insert the Jumper Cable into MP-60 or MP-80 optical power meter.
4. Connect the Jumper Cable to the coupler or the OPP leading to the light source.

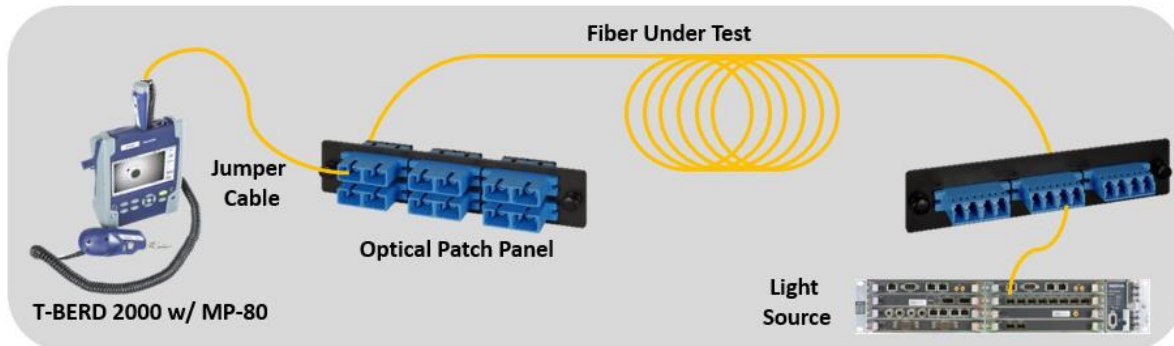


Figure 3: Connecting the Power Meter to an OPP or Coupler

### Launch Test:


1. Press the power button  to turn on the test set.
2. Tap the **USB Powermeter** icon in the **Home Screen** to access the LTS (Loss Test Set) Screen.



Figure 4: Home Screen

### Measure Absolute Power:

1. Tap the **Wavelength** soft key set the wavelength.
2. Tap the **Display Units** soft key to set units to **dBm**.
3. View the power level in the **Power Meter on USB** display in the center of the screen.



Figure 5: LTS Screen