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](image1)

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](image2)
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.

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.

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.