

Quick Card

MP-60 and MP-80 USB Optical Power Meter Measuring Absolute Power with FiberChekPRO

The following procedures outlines how to use the VIAVI FiberChek PRO software with an MP-60 or MP-80 USB Optical Power Meter.

Equipment Requirements:

- FiberChek PRO software with 2.0 version or greater (download at <http://fcpro.updatemyunit.net/>)
- MP-60 or MP-80 USB Optical Power Meter (OPM)
- Personal Computer (PC) or Laptop
- Fiber optic cleaning and inspection tools
- Patch Cord (Reference 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 pass a fiber inspection test prior to connection:

1. Insert the MP-60/MP-80 OPM into a USB port on the PC or laptop.
2. If the interface to the FUT is a patch cord, connect the patch cord to an optical coupler with the same connector type.
3. Inspect the FUT connected to the coupler or OPP.
4. Inspect the fiber end face of the Reference Cable.
5. Connect the Reference Cable to the Patch Cord Input on the OPM.
6. Inspect the other fiber end face of the patch cord.
7. Connect the patch cord to the coupler or the OPP leading to the light source.

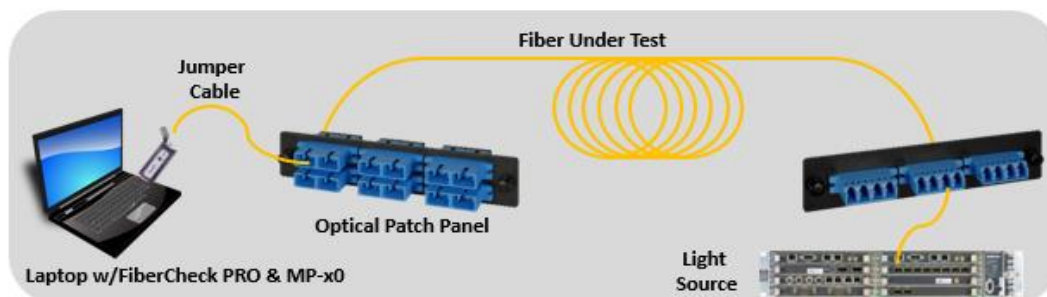


Figure 1: Connecting Power Meter to OPP or Coupler

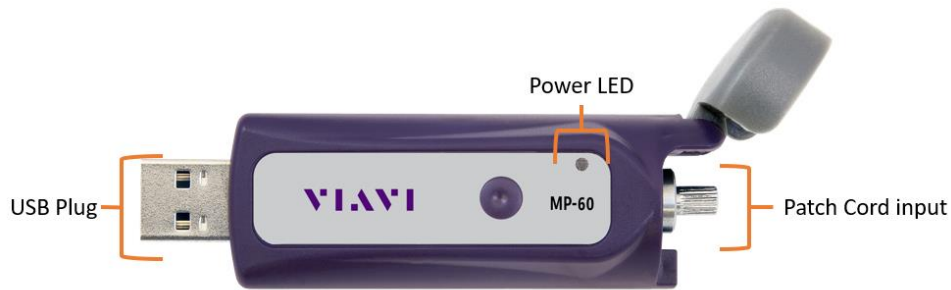

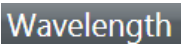



Figure 2: MP-60 USB Power Meter



Figure 3: FiberChek PRO Power Meter View

Measure Absolute Power:

1.  Press the FiberCheck PRO icon from the Windows Start button on your PC or laptop to launch FiberChek PRO.
2.  Tap the **Wavelength** drop-down menu to select the wavelength.
3.  Tap the **Units** drop-down menu and set units to **dBm**.
4. View the Absolute Power Level in the **Power Level Summary** Results display at the center of screen.
5. Disconnect the Patch Cord from the Power Meter and the coupler or OPP.