

## Quick Card

# MP-60 and MP-80 USB Optical Power Meters Measuring Absolute Power with FiberChekMOBILE™ Android™

The following procedure outlines how to use the VIAVI FiberChekMOBILE software on an Android tablet or phone with an MP-60 or MP-80 USB Optical Power Meter.

Note: The MP-60 and MP-80 can be also used with iPhones and iPads using the VIAVI FBPP-WIFI wireless adapter.

### Equipment Requirements:

- Smartphone or tablet, Android Version 7.0 or greater
- USB adapter cable (must pass both data and power)  
The following cables are recommended. Ctrl+click to purchase:
  - [CableCreation USB 3.0 to USB-C adapter](#)
  - [Insten USB 2.0 to Micro USB adapter](#)
- MP-60 or MP-80 USB Optical Power Meter (OPM)
- 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

### Install FiberChekMOBILE:

- Search for FiberChekMOBILE in the Google Play™ store.
- Tap **INSTALL** and **ACCEPT** to install the application.
- Connect the MP-60/MP-80 OPM to your tablet or phone using the USB Adapter Cable.
- Tap the checkbox to “Use by default for this USB device” and tap **OK**.
- Tap **Accept** to accept the VIAVI Software License Terms.

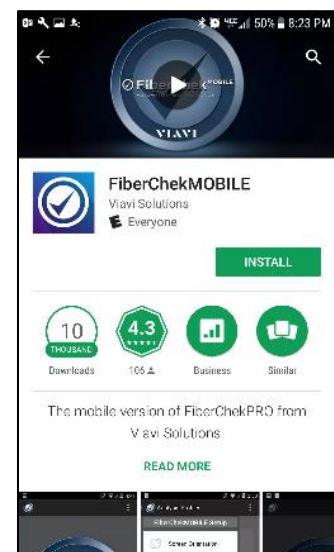


Figure 1: FiberChekMOBILE App

### 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. Connect the MP-60/MP-80 OPM to your tablet or phone using the USB Adapter Cable.
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 and clean the FUT connected to the coupler or OPP with a bulkhead inspection tip.
4. Inspect and clean the fiber end face of the Jumper Cable with a patch cord inspection tip.
5. Connect the Jumper Cable to the Patch Cord Input on the OPM.
6. Inspect and clean the other fiber end face of the Jumper Cable with a patch cord inspection tip.
7. Connect the Jumper Cable to the coupler or the OPP leading to the light source.

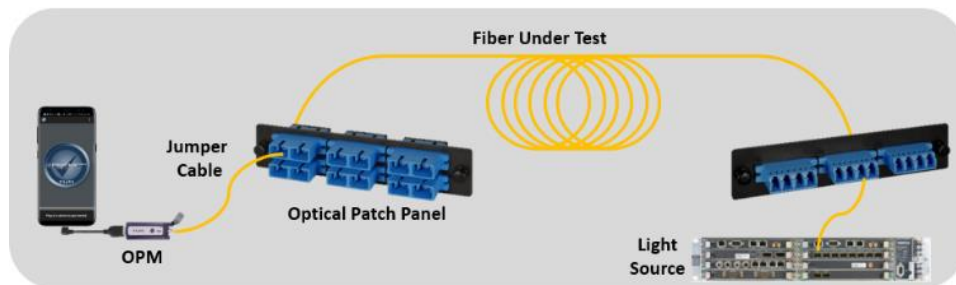


Figure 2: Connecting Power Meter to OPP or coupler

### Measure Absolute Power:





1.  Press the icon on your Smartphone or Tablet to launch **FiberChekMOBILE**.
2.  Tap the **Wavelength** soft key and select the wavelength.
3.  Tap the **Display Unit** soft key and set the Display unit to **dBm**.
4. View the absolute Power Level in the Results display at the center of screen.
5.  Tap the **Save button** on the MP-60/MP-80 or the **Save** soft key on the Phone/Tablet to store results.
6. Disconnect the Patch Cord from the Power Meter and the coupler or OPP.



Figure 3: MP-60 USB Power Meter

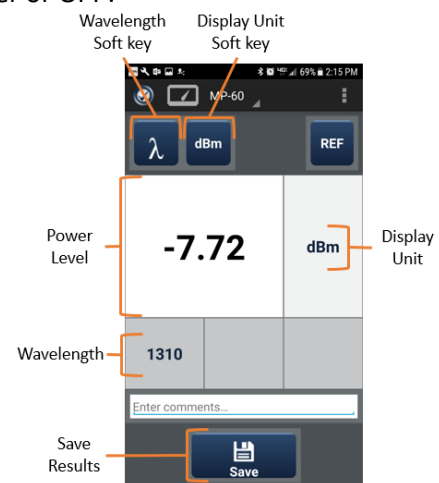


Figure 4: FiberChekMOBILE Power Meter screen