Quick Card

P5000i Fiber Microscope
Fiber Inspection with the Android™ FiberChekMOBILE™ app

This quick card describes how to use the VIAVI P5000i Fiber Inspection Microscope and FiberChekMOBILE software on an Android tablet or phone to inspect a simplex fiber end face.

Note: The P5000i can also be used with an iPhone® or iPad® using the VIAVI FBPP-WIFI wireless adapter.

Equipment Requirements:
- Smartphone or tablet, Android Version 4.1 or greater
- USB adapter cable. The cable must pass both data and power (USB OTG)
  The following cables are recommended. Ctrl+click to purchase on-line:
  - CableCreation USB 3.0 to USB-C adapter
  - Insten USB 2.0 to Micro USB adapter
- P5000i Fiber Inspection Microscope optioned with:
  - Bulkhead and Patch Cord Tips matching the Fiber Under Test
  - FiberChekMOBILE software option, part number SW-FCM-A1
    (If missing, Ctrl+click here to request a quote. Please provide the P5000i serial number in the comments field, as listed on the barcode on the bottom of the P5000i.)
- Fiber optic cleaning tools

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.)
- Type of Tip (See Figure 2)

Install the FiberChekMOBILE App:
- Search for FiberChekMOBILE in the Google Play™ store.
- Tap INSTALL and ACCEPT to install the application.
- Connect the P5000i 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.
Inspect Fiber End Face:

1. Connect the appropriate **Inspection Tip** to the P5000i by loosening and tightening the **Retaining Nut** on the P5000i Barrel Assembly. Note: Some tips connect directly to the probe, without a barrel assembly. Consult the **VIAVI Tips & Adapters Selection Guide** for more information.

2. Connect the P5000i to your tablet or phone using the **USB Adapter Cable**. The FiberChekMOBILE App will automatically launch.

3. **Profile** icon: Tap and select the profile that matches the Fiber Under Test:
   - SM UPC (IEC-61300-3-35 Ed. 2.0) for Single Mode Fiber Ultra Polished Connectors
   - SM APC (IEC-61300-3-35 Ed. 2.0) for Single Mode Fiber Angled Polished Connectors
   - MM (IEC-61300-3-35 Ed. 2.0) for Multimode Fiber

4. **Tip** icon: Tap and select the type of Inspection Tip you are using:
   - **Standard Tips (with BAP1)** for Standard Patch Cord Inspection Tips (i.e. FBPT-U12M, FBPT-U25M, FBPT-U25MA) and Standard Bulkhead Inspection Tips (i.e. FBPT-LC, FBPT-SC, FBPT-SC-APC)
   - **Simplex Long Reach (L)** Tips for Long Reach Inspection Tips (i.e. FBPT-LC-L, FBPT-SC-L)
   - For other types of inspection tips, connect the P5000i to FiberChekPRO™ on a PC and move the appropriate tip setting onto the probe microscope. For more information, consult the FiberChekPRO user manual. To download FiberChekPRO to your PC, visit [http://fcpro.updatemyunit.net/](http://fcpro.updatemyunit.net/).

5. Magnification (HIGH/LOW) icon: Tap on the Android screen to Select **HIGH** (400x) magnification.

6. **Test** soft key: Insert the **Bulkhead Inspection tip** into the bulkhead or insert the Patch Cord ferrule into the **Patch Cord Inspection tip** on the P5000i.

7. **Focus Control Wheel**: Adjust the focus of the fiber image by turning the Focus Control Wheel.

8. **Test** soft key: Tap to capture the fiber end face image, analyze all defects, and display Pass/Fail results.

9. **Save Report** soft key: Tap to archive the image and test result.

10. **Live** soft key: Tap to unfreeze the screen and view the live image.

11. **FAIL** if the test fails, clean the fiber end face and repeat steps 6 through 10.

12. **PASS** if the test passes, you are ready to Connect.

**Note:** Both the patch cord and bulkhead should pass inspection before connection.