Quick Card

**FiberChek™ Probe**

Fiber Inspection with Pass/Fail Analysis

The following procedure outlines how to use the VIAVI FiberChek Probe Fiber Inspection Microscope to inspect a simplex fiber end face.

**Equipment Requirements:**
- FiberChek Probe Fiber Inspection Microscope
- Bulkhead and Patch Cord Tips matching the fiber under test
- 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 Inspection Tip(s):
  - Standard Patch Cord tip (FBPT-U12M, FBPT-U25M, FBPT-U25MA, etc.)
  - Standard Bulkhead tip (FBPT-SC, FBPT-SC-APC, FBPT-LC, etc.)
  - Long Reach Bulkhead tip (FBPT-LC-L, FBPT-SC-L, etc.)
  - Angled Bulkhead Tip (FBPT-LC-A6S, FBPT-SC-A6, etc.)

**Figure 1:** Commonly Used "Standard" Inspection Tips

**Figure 2:** FiberChek Probe, Side view

**Figure 3:** FiberChek Probe, Front view
Set up the FiberChek Probe Microscope:

1. Connect the appropriate Inspection Tip to the FiberChek Probe by loosening and tightening the Retaining Nut on the FiberChek Probe 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. Press the Power Button to turn on the FiberChek Probe.

3. Tap the Touchscreen Display to enter the Settings menu.

4. Select PROFILE using the Navigation Control and press the Action Button. Choose the desired profile using the Navigation Control and press the Action Button:
   - 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 Angled Polished Connectors
   - MM (IEC-61300-3-35 Ed. 2.0) for Multimode Fiber

5. Return to the Settings menu by pressing the Magnification/Return Button.

6. Select TIP using the Navigation Control and press the Action Button. Choose the desired tip using the Navigation Control, then confirm by pressing the Action Button:
   - Standard Tips (with BAP1) for Standard Patch Cord Tips (i.e. FBPT-U12M, FBPT-U25M, FBPT-U25MA) and Standard Bulkhead Tips (i.e. FBPT-LC, FBPT-SC, FBPT-SC-APC)
   - Simplex Long Reach (-L) Tips for Long Reach Tips (i.e. FBPT-LC-L, FBPT-SC-L).
   - For other types of inspection tips, connect the FiberChek Probe to FiberChekPRO™ on a PC and move the appropriate tip setting onto the microscope. For more information, consult the FiberChekPRO user manual. To download FiberChekPRO to your PC, visit http://fcpro.updatemyunit.net/.

7. Press the Magnification/Return Button twice or press the Trigger once to return to the Live Inspection View. The FiberChek Probe is ready to perform PASS/FAIL Analysis.

Running Pass/Fail Analysis:

1. Insert the Bulkhead Inspection tip into the bulkhead or insert the Patch Cord ferrule into the Patch Cord Inspection tip on the FiberChek Probe.

2. Press the Trigger of the FiberChek microscope to auto-focus the fiber under test. Press the Trigger again and hold for 2 seconds to perform PASS/FAIL analysis. FiberChek will briefly display the analysis result and enter the Analysis Result View. A green screen with a "check" graphic indicates a PASS result. A red screen with an "X" graphic indicates a FAIL result.

3. Press the Action Button to save the current analysis to the Probe's internal storage.

4. If the test failed, clean the fiber end face and repeat steps 1 through 3.

5. If the test passed, you are ready to Connect.

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