

# VIAVI

## FiberChek Sidewinder™

Automated multifiber connector inspection & analysis

The FiberChek Sidewinder is the industry's first "all-in-one" handheld inspection and analysis microscope for multifiber connectors such as MPO. The latest addition to VIAVI's award-winning FiberChek family delivers a completely automated solution to inspect and analyze every fiber of an MPO or other multifiber connector with industry-leading reliability and speed.

### All-in-one handheld MPO inspection

With 100% autonomous operation, technicians of any skill level have everything they need in a portable MPO inspection microscope.

- The integrated touchscreen display gives users full control to view live images and analysis results, pan & scroll across the end face to view each fiber, and easily navigate results.
- Navigate and select your desired acceptance criteria including IEC-61300-3-35 or customer-specific requirements.
- Store, name, and recall test results directly on the device.



### Key Benefits

- Fully autonomous multifiber inspection
- Automate the inspection workflow
- Certify end face quality to customer requirements
- Ensure accurate and fast test performance with automatic test results in under 12 seconds
- Easily access connections in any location
- Connect with anything and test anywhere!

### Key Features

- Integrated touchscreen
- Live fiber viewing
- Auto-center
- Auto-focus
- Auto-pan/scroll
- Built-in fiber end-face analysis
- Also tests simplex fibers (compatible with FBPT series inspection tips)
- Audible sounds for Pass/Fail results
- User-selectable acceptance profiles
- Stores results on device or export
- WiFi and USB connection to a PC or mobile devices
- All-day battery life
- Built in acceptance criteria to industry standards (IEC-61300-3-35)



## Industry's fastest MPO inspection workflow

As MPO connectivity continues to grow in adoption, maintaining MPO end faces is more important than ever. Managing clean MPO connections requires systematic and proactive methods that many technicians may find troublesome, confusing and time-consuming. Sidewinder eliminates these challenges by fully automating every detail of the MPO inspection workflow to ensure fast and reliable results.

### Automatic test results fibers in less than 12 seconds

Nothing comes close to the speed, reliability, and intuitive operation that Sidewinder delivers for MPO inspection and analysis. Simply insert it into the bulkhead, press a button, and the Sidewinder will provide automatic results for all 12 MPO fibers in fewer than 12 seconds! Eliminate hassles with manually adjusting controls to focus, scan, or count which fiber you are on and turn minutes into seconds for testing each connector.

#### Legacy MPO Inspection Process

| Step                     | Time        |
|--------------------------|-------------|
| Focus Image              | 0:04        |
| Scroll/Pan to fiber      | 0:04        |
| Test                     | 0:03        |
| Save                     | 0:02        |
| TOTAL (1 fiber)          | 0:13        |
| <b>TOTAL (12 fibers)</b> | <b>2:36</b> |

Test Time for 100 MPO Connectors  
**4.3 hours**

vs.

#### Sidewinder MPO Inspection Process

| Step                     | Time        |
|--------------------------|-------------|
| Focus Image              | 0:01        |
| Scroll/Pan all fibers    | 0:05        |
| Test all fibers          | 0:05        |
| Save                     | 0:01        |
| <b>TOTAL (12 fibers)</b> | <b>0:12</b> |

Test Time for 100 MPO Connectors  
**< 20 minutes**

### Review test results on the device

Navigate test results stored on the device using the device using the built-in color touch screen and on-board controls. Store over 1,200 fiber images (~100 12-fiber connectors) on-board with the ability to scroll through each fiber in the connector end face, view analysis results, toggle overlay views, and view both low and high magnification images.

### Automated sounds

Get immediate confirmation of test results by activating dedicated Pass and Fail sound indicators after end face analysis.

### Multiple connectivity methods

Sidewinder can connect with other devices via WiFi and USB. The included USB-C cable allows the user to charge the device or connect to any supported device with a wired connection. In addition, WiFi gives users the ability to connect without any added cables, making it ideal for portability, accessibility, and workflow performance.



## Certify MPO end face quality to customer requirements

Contaminated connectors are the #1 cause for troubleshooting in optical networks. This problem has driven the industry and International Electrotechnical Commission (IEC) to release IEC 61300-3-35, a global standard that establishes acceptance criteria for the quality and cleanliness of the fiber connector end face. This standard has been widely adopted and has also been incorporated into other standards, including both TIA-568.3 and ISO/IEC 11801.

As MPO connectivity continues to grow in adoption throughout the world, challenges are eliminated with Sidewinder. Whether using an industry standard or customer-specific requirements, the Sidewinder makes it easy.

- Test to industry standards at the push of a button
- Automated inspection for all fibers in an MPO connector
- Prove your quality of work with objective analysis
- Locate and identify defects and scratches
- Identify inspection zone locations
- Integrate results into your certification reports



## Leverage your mobile device for added test and inspection benefits

Mobile devices are essential for technicians to do their jobs today. From handling service calls and managing job tickets, to sending test reports and storing results on the cloud, technicians rely on their mobile devices to get the job done. As fiber inspection is so essential to the daily life of a fiber technician, it makes sense that technicians should be able to leverage their mobile device as part of their fiber inspection and test workflow as well.

With FiberChekMOBILE™, technicians can inspect end-face quality, measure optical power, and certify fiber connectors to industry standards right on their mobile device. Available for both iOS and Android devices as a free download, FiberChekMOBILE can integrate with the Sidewinder, giving users several additional capabilities.

- Export results from Sidewinder to FiberChekMOBILE
- View live images and operate controls from the mobile device
- Manage and recall stored results
- Generate certification reports
- Share results and reports via e-mail or cloud storage
- GPS tag the location of each test
- Input test information via full keyboard or Voice-to-Text dictation

### Compatible with multiple types of devices

- Android (with FiberChekMOBILE for Android)
- iPhone & iPad (with FiberChekMOBILE for iOS)
- Windows Tablets (with FiberChekPRO)
- PC/Laptops (with FiberChekPRO)



## Ordering Information

| Description   | Part Number      |
|---|------------------|
| <b><i>Kitted Packages</i></b>   |                  |
| Kit: FiberChek Sidewinder probe – WiFi Case, FCPP-OLA-1, FCPT-UFBPT, FBPP-BAP1, tip case  | FIT-FCSW-KIT1    |
| Kit: FiberChek Sidewinder probe – NO WiFi Case, FCPP-OLA-1, FCPT-UFBPT, FBPP-BAP1, tip case   | FIT-FCSW-KIT1-NW |
| Kit: FiberChek Sidewinder probe – WiFi Case, FCPP-OLA-1, FCPT-MTP, FCPT-MTPA, FCPT-UFBPT, FBPP-BAP1, tip case                                   | FIT-FCSW-KIT2    |
| Kit: FiberChek Sidewinder probe - WiFi Case, FCPP-OLA-1, FCPT-MTP, FCPT-MTPA, FCPT-UFBPT, FBPP-BAP1, simplex tips for LC/PC and SC/PC, tip case | FIT-FCSW-KIT2-S  |
| <b><i>Accessories</i></b>   |                  |
| Tip, MTP Bulkhead, for FiberChek Sidewinder   | FCPT-MTP         |
| Tip, MTP APC Bulkhead, for FiberChek Sidewinder   | FCPT-MTPA        |
| Objective Lens Assembly, for FiberChek Sidewinder   | FCPP-OLA-1       |
| Adapter, FBP Probe Interface, for FiberChek Sidewinder  | FCPT-UFBPT       |
| Carrying Case, for FiberChek Sidewinder   | FCPP-SCASE4      |
| Replacement Dust Cap for FiberChek Sidewinder   | FCPP-RDC1        |
| Tip and Adapter Case, clear plastic   | FBPP-GC-6        |



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