Data Sheet

VIAVI Solutions

VIAVI
FiberChek Sidewinder

Automated multifiber connector inspection and 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 the VIAVI award-winning FiberChek family delivers a completely automated solution to easily 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 and 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.



To learn more, visit www.viavisolutions.com/sidewinder

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 at the press of a button
- 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 a matter of 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 without the technician having to do anything. 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.

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.



Award winning innovation

FiberChek Sidewinder is recognized by industry organizations and experts for innovative leadership in fiber test solutions

2018 Cabling Installation & Maintenance Platinum Innovators Awards

2018 LIGHTWAVE INNOVATION REVIEWS WINNER

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 and iPad (with FiberChekMOBILE for iOS)
- Windows Tablets (with FiberChekPRO)
- PC/Laptops (with FiberChekPRO)

ANDROID APP ON Google Play

Download on the App Store

Specifications

Parameter		
Dimensions (H x W x D)		335 mm x 60 mm x 48 mm (13.2 in x 2.4 in x 1.9 in)
Weight		550g (19.4 oz)
Display		240 x 320 2.5" LCD touchscreen
Output		USB, WiFi
Power source		Internal Li-ion battery, USB power
Run time		5 hr
Charge time		2 hr (2 A max power source) 8 hr (500 mA max power source)
Field-of-view values (µm)	High Magnification	Horizontal: 356 µm Vertical: 475 µm
	Low Magnification	Horizontal: 713 µm Vertical: 950 µm
Live image		640 x 480, 10 fps
Power supply		5V wall adapter with interchangeable plug for US, EU, UK, AU
Camera sensor		2560 x 1920, 1/2.5 in CMOS, 5 megapixel
Auto Index		Pan/Scroll up to 32 fibers (2 x 16)
Light source		Blue LED, 100,000+ hr life
Lighting technique		Coaxial
Certification		CE, EN/IEC 61326
Temperature range		Operating: 0 to +50°C Storage: -10 to +70°C
Humidity		95% non-condensing
Warranty		1 year

Ordering Information

Description	Part Number
Kitted Packages	
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, FCPT-MTP-COUPLER, tip case	FIT-FCSW-KIT2
Kit: FiberChek Sidewinder probe – WiFi, Case, FCPP-OLA-1, FCPT-MTP, FCPT-MTPA, FCPT-UFBPT, FBPP-BAP1, FBPT-U12M, FBPT-U25M, FBPT-SC, FBPT-LC, FCPT-MTP-COUPLER, tip case	FIT-FCSW-KIT2-S
Accessories	
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

Download the Fiber Inspection Tips and Adapters selection guide for a comprehensive list of Sidewinder tips, adapters, and optical assemblies.

VIAVI Care Support Plans

Increase your productivity for up to 5 years with optional VIAVI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Plan availability depends on product and region. Not all plans are available for each product or in every region. To find out which VIAVI Care Support Plan options are available for this product in your region, contact your local representative or visit: viavisolutions.com/viavicareplan

Features

*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
BronzeCare	Technician Efficiency	Premium	✓	✓	✓				
SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	✓	✓*	✓		
MaxCare	High Availability	Premium	✓	✓	✓	✓*	✓	✓	✓

VIAVI Solutions

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