

# Deliver High Quality Hyperscale Projects Confidently and Quickly

Made for Non-US Markets



VIAVI Fiber Optic Test Kits empower teams to ensure the highest standards of quality and efficiency in every data center build.

Leverage turnkey kits that will help you and your teams streamline processes, enhance reliability, and exceed project timelines.

With VIAVI,  
certify  
15,000 more  
fibers per week,  
and in 1/3 of  
the time



# Why VIAVI?

In today's data center environments, there are thousands of fiber connections, with millions of fiber strands, to deploy in limited hours. VIAVI test and certification instruments revolutionize data center builds, catering to every aspect from installation to troubleshooting.



## Unique Solution Benefits

- Only solution future-proofed with compatibility for MPO and VSFF connectors
- Only true Tier 1 native MPO tester that includes embedded inspection. Provides loss, polarity as well as length
- Uniquely intuitive user interface designed for skilled professionals and novices alike to ensure expert-level results on the first try
- Only Tier 2 native MPO OTDR that includes fully automated bi-directional measurement and analysis

## Key Features

- The right tools for the job with our all-inclusive packages
- Secure-zone friendly: an all-in-one portable unit matching stringent access and compliance security requirements
- Cloud-based project and data management
- Trusted and approved by the industry's leaders



### ACCURACY AND RELIABILITY

The correct measurement all the time



### SPEED

Scaled for High-density fiber cables



### SIMPLE

All functions available at your fingertips

# VIAMI Pre-Defined Hyperscale Kits

VIAMI has worked with key hyperscale data center providers to create pre-defined kits for testing of their fiber networks.

These pre-defined VIAMI kits:

- Include everything you need in a single kit to successfully test – ensure you have the right tools for the job
- Give you the confidence that you have what is needed to successfully test new areas such as MPO
- Are already used and approved by the leading hyperscalers and co-location datacenters



Modular Bi-directional Fiber Tester  
T-BERD™/MTS-4000



INX™760 Probe Microscope

# Kit 1

## Fiber Endface Certification

Contaminated or dirty fiber is the number-one cause of fiber optic network degradation, including permanent equipment damage. Fiber Inspection is the practice of viewing the end face of a fiber optic connector by use of an optical microscope. The primary reason for fiber inspection is to ensure that the connectors are free of any defects, damage, or debris that would prevent sufficient transmission of light when mated with another connector.

- Validation of pristine fiber endface before making a connection
- Ready for next generation connectors (i.e., VSFF)
- Fully automated inspection and analysis
- Standardized, bias-free pass/fail assessment



Product	FiberChek Probe The single fiber ferrule inspection microscope	INX 760 Probe Microscope Automated single and multi-fiber connector inspection and analysis
Kit Code	FIT-FC-KIT3-NW	INX-760-HYP-KIT1
Single fiber ferrule	✓	✓
Duplex fiber ferrule (MDC, SN, CS)		✓
Multi-fiber ferrule		✓
Inspection tips	<ul style="list-style-type: none"> <li>• LC/PC bulkhead and patchcord</li> <li>• SC/PC bulkhead and patchcord</li> <li>• SC/APC bulkhead and patchcord</li> </ul>	<ul style="list-style-type: none"> <li>• LC/PC bulkhead</li> <li>• LC/PC duplex bulkhead</li> <li>• MPO multi-mode bulkhead</li> <li>• MPO single-mode bulkhead</li> </ul>
What's in the box?	<ul style="list-style-type: none"> <li>• FiberChek Microscope</li> <li>• 6 inspection tips (see above list)</li> <li>• Charger with US, EU, UK, AU adapters</li> <li>• USB A male to USB Micro B male</li> <li>• Tips case and corrugated box for FiberChek microscope</li> <li>• Soft carrying case</li> <li>• Quick starting guide</li> </ul>	<ul style="list-style-type: none"> <li>• INX 760 Microscope</li> <li>• 4 inspection tips (see above list)</li> <li>• Charger with US, EU, UK, AU adapters</li> <li>• Converter cable: USB-C Male to USB-A Male</li> <li>• Soft carrying case</li> </ul>

# Kit 2

## Fiber Certification: Basic Tier 1 Optical Loss, Length and Polarity

Within the industry there are two different “tiers” for certifying fiber optic links: Tier 1 and Tier 2 testing. Tier 1 fiber certification includes end-to-end loss, length and polarity. The measurement ensures that the fiber optic infrastructure meets or exceeds the industry standards and/or customer thresholds.

- Certifies proper fiber installation and ensures infrastructure supplier warranties
- Designed to drive best practices: unique integration with a patchcord microscope
- Ready for next generation connectors (i.e., VSFF)
- Simple, one-button execution



SmartClass Fiber OLTS-85



SmartClass Fiber OLTS-85P



SmartClass Fiber MPOLx

# Kit 2

Product	Smartclass Fiber OLTS-85 The Optical Loss Test Set for duplex fiber cables Tier 1 testing		Smartclass Fiber MPOLx The Optical Loss Test Set for MPO-based fiber cables Tier 1 testing	
Kit Code	2325/31	2325/35	2330/21	2330/25
Wavelengths	SM: 1310/1550 nm	MM: 850/1300 nm SM: 1310/1550 nm	SM: 1310/1550 nm	MM: 850/1300 nm SM: 1310/1550 nm
Loss	✓	✓	✓	✓
Length	✓	✓	✓	✓
Polarity	✓	✓	✓	✓
VSFF (Senko CS, Senko SN, US Conec MDC)	✓	✓		
MPO-based links testing			✓	✓
Inspection Microscope: Embedded Patchcord Microscope (PCM)			✓	✓
Continuity Mapper	N/A	N/A	✓	✓
Test instrument and reference cords	<ul style="list-style-type: none"> <li>• OLTS-85 single-mode Loss Test Set</li> <li>• SC/PC to LC/PC SM reference cord</li> <li>• LC/PC to LC/PC SM reference cord</li> </ul>	<ul style="list-style-type: none"> <li>• OLTS-85 single-mode &amp; multi-mode Loss Test Set</li> <li>• SC/PC to LC/PC SM reference cord</li> <li>• LC/PC to LC/PC SM reference cord</li> <li>• FC/PC to LC/PC MM EF reference cord</li> <li>• LC/PC to LC/PC MM EF reference cord</li> </ul>	<ul style="list-style-type: none"> <li>• MPOLP-85P single-mode &amp; multi-mode MPO Power Meter with PCM</li> <li>• MPOLS-85P single-mode MPO Light Source with PCM</li> <li>• 2x MTP/APC adapter for PCM</li> <li>• MTP PRO field tool for polarity/pin change</li> <li>• 3x single-mode MTP PRO gender neutral test reference cord (2 m, polarity B)</li> </ul>	<ul style="list-style-type: none"> <li>• MPOLP-85P single-mode &amp; multi-mode MPO Power Meter with PCM</li> <li>• MPOLS-85P single-mode MPO Light Source with PCM</li> <li>• MPOLS-84P multi-mode MPO Light Source with PCM</li> <li>• 2x MTP/APC adapter for PCM</li> <li>• 2x MTP/PC adapter for PCM</li> <li>• MTP PRO field tool for polarity/pin change</li> <li>• 3x single-mode MTP PRO gender neutral test reference cord (2 m, polarity B)</li> <li>• 3x multi-mode gender neutral test reference cord (2 m, polarity A)</li> </ul>
What's in the box?	<ul style="list-style-type: none"> <li>• Power supply</li> <li>• Rechargeable battery pack</li> <li>• USB Cable (USB-A to Micro-USB)</li> <li>• Quick starting guide</li> <li>• Soft carrying case with shoulder strap</li> <li>• Wrap-around/glove case</li> <li>• LC coupler</li> <li>• WiFi/Bluetooth USB Dongles</li> </ul>		<ul style="list-style-type: none"> <li>• Power supply</li> <li>• Rechargeable battery pack</li> <li>• USB Cable (USB-A to Micro-USB)</li> <li>• Quick starting guide</li> <li>• Soft carrying case with shoulder strap</li> <li>• MTP/MPO click cleaner</li> <li>• Wrap-around/glove case</li> <li>• MTP/MPO coupler</li> <li>• WiFi/Bluetooth USB Dongles</li> </ul>	

# Kit 3

## Fiber Certification and Troubleshooting: Advanced Tier 2/Optical Time Domain Reflectometry (OTDR)

Tier 2 fiber certification involves the use of OTDRs to add more granularity and detailed analysis of each optical component installed along the fiber optic cable (splices, connectors, fiber attenuation, etc.). OTDR can also pinpoint the exact locations of problems like breaks, bends.

- Characterizes the integrity of the link and ensures proper installation of passive optical elements and fiber sections
- Locates and identifies fiber faults
- Fully automated 12-fibers/MPO cable testing with MPO switch module
- Simplified icon-based OTDR link view
- Automated bi-directional OTDR measurement process and on-board analysis (FiberCompletePRO™)



T-BERD/MTS-4000 V2 Quad OTDR



T-BERD/MTS-4000 V2 Bi-Directional OTDR



T-BERD/MTS-4000 V2 Bi-Directional IL/ORL/OTDR



T-BERD/MTS-4000 V2 Bi-Directional IL/ORL/OTDR  
with MPO switch module

# Kit 3

**\*Purchase 2 of these kits for bi-directional testing.**

Product	<b>T-BERD/MTS-4000 V2 Quad OTDR</b> The single-mode and multi-mode OTDR	<b>T-BERD/MTS V2 Bi-Directional OTDR</b> Provides bi-directional OTDR certification
Kit Code	<b>MTS4-DIS-QUAD-S</b>	<b>MTS4-26B-HYP-1*</b>
Wavelengths	MM: 850/1300 nm SM: 1310/1550 nm	SM: 1310/1550 nm
Secure zone friendly sticker "NO RF"		✓
Bi-Dir. OTDR (TrueBIDIR)		✓
Bi-Dir. Loss/ORL		Upgradeable via SW license: EOTDR-TO-FCOMP-UPG
MPO-based links testing		
What's in the box?	<ul style="list-style-type: none"> <li>T-BERD/MTS-4000 V2 mainframe and test module(s)</li> <li>Broadband power meter and VFL/red light</li> <li>Backpack carrying case</li> <li>Remote control software: Smart Access Anywhere</li> <li>Rechargeable battery</li> <li>AC/DC adapter charger</li> </ul>	<ul style="list-style-type: none"> <li>Mainframe and test module(s)</li> <li>Broadband power meter and VFL</li> <li>Backpack carrying case</li> <li>Remote control software: Smart Access Anywhere</li> <li>Rechargeable battery</li> <li>AC/DC adapter charger</li> <li>Wraparound glove</li> </ul>
Test cables	<ul style="list-style-type: none"> <li>Single-mode 20 m test cable (SC/PC to LC/PC)</li> <li>Multi-mode 10 m test cable (SC/PC to LC/PC)</li> </ul>	<ul style="list-style-type: none"> <li>100 m test cable (SC/APC to LC/PC)</li> </ul>
Connectivity	Internal WiFi/BT option	External dongle for WiFi/BT
MPO Accessories	N/A	N/A

Product	<b>T-BERD/MTS-4000 V2 Bi-Directional IL/ORL/OTDR</b> Provides a complete bi-directional certification, including insertion loss, optical return loss and OTDR	<b>T-BERD/MTS-4000 V2 Bi-Directional IL/ORL/OTDR</b> Provides a complete bi-directional certification, including insertion loss, optical return loss and OTDR; for MPO-based links and/or high fiber count cables
Kit Code	<b>MTS4-36BFCOMP-HYP-2*</b>	<b>MTS4-26BFCOMP-MPO-HYP-3*</b>
Wavelengths	SM: 1310/1550/1625 nm	SM: 1310/1550 nm
Secure zone friendly sticker "NO RF"	✓	✓
Bi-Dir. OTDR (TrueBIDIR)	✓	✓
Bi-Dir. Loss/ORL	✓	✓
MPO-based links testing		✓
What's in the box?	<ul style="list-style-type: none"> <li>Mainframe and test module(s)</li> <li>Broadband power meter and VFL</li> <li>Backpack carrying case</li> <li>Remote control software: Smart Access Anywhere</li> <li>Non-reflective termination kit for IL/ORL referencing</li> <li>Rechargeable battery</li> <li>AC/DC adapter charger</li> <li>Wraparound glove/case</li> <li>Hookstrap</li> </ul>	<ul style="list-style-type: none"> <li>Mainframe and test module + 12-fiber MPO switch</li> <li>Broadband power meter and VFL</li> <li>Backpack carrying case</li> <li>Remote control software: Smart Access Anywhere</li> <li>Non-reflective termination kit for IL/ORL referencing</li> <li>Rechargeable battery</li> <li>AC/DC adapter charger</li> <li>Wraparound glove/case</li> <li>Hookstrap</li> <li>Click cleaner</li> </ul>
Test cables	<ul style="list-style-type: none"> <li>100 m test cable (SC/APC to LC/PC)</li> </ul>	<ul style="list-style-type: none"> <li>25 m MPO test cables (MPO to LC/PC, MPO pinned to MPO unpinned)</li> </ul>
Connectivity	External dongle for WiFi/BT	External dongle for WiFi/BT
MPO Accessories	N/A	<ul style="list-style-type: none"> <li>MPO reference kit for Loss/ORL</li> <li>Field Tool for MPO polarity change and 2 m gender neutral test cords (polarity A and B)</li> </ul>

# Who is VIAVI?

VIAVI works with contractors, integrators, and partners worldwide to successfully deploy networks, applications, and services—and consistently optimize performance across the ecosystem—to always provide the highest quality customer experience.

VIAVI is the world's leading fiber optic test company, and provides a full suite of optical inspection and cleaning solutions that address the needs of fiber component and system manufacturers, data centers, service providers, enterprises, and military and aerospace networks.

## Want a quote?

[viavisolutions.com/request-quote](https://viavisolutions.com/request-quote)

## Need to locate a partner (worldwide)?

[viavisolutions.com/locate-partner](https://viavisolutions.com/locate-partner)

## For more information

[viavisolutions.com/fiber](https://viavisolutions.com/fiber)

# 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](https://viavisolutions.com/viavicareplan). Contact us for the relevant training package order codes.

## 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 is a company with a diverse and rich history of technological innovations across various industries. In the past, VIAVI has been known by names such as JDSU and Acterna, but our legacy dates back to 1923 with Wandel & Goltermann.

Today, VIAVI Solutions is a global leader in communications test and measurement and optical technologies – helping enable service providers around the globe to deploy flawless fiber networks with Smarter Testing solutions.



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