

OV-Mini Optical Time Domain Reflectometer

A LANscape®
Solutions Product

features and benefits |

OptiTest function	One-touch testing for top user-friendliness
USB port (memory-stick compatible)	Easy data transfer
Large internal memory	Up to 500 results
Transreflective color display	View clear results under bright sunlight
Superior automated analysis	Better, easier and faster diagnosis

Corning Cable Systems OV-Mini Optical Time Domain Reflectometer (OTDR) provides a rugged, handheld and lightweight solution for testing and troubleshooting fiber optic networks. This handheld OTDR gives the operator the flexibility of testing single-mode and 50 and 62.5 μm multimode systems with the same unit. The OV-Mini provides complete connectivity flexibility (with USB stick compatibility and USB cable download) and top user-friendliness (offering one-touch testing).

Available on the OV-Mini (DK and XK options) are a power meter, Visual Fault Locator (VFL) and video inspection software. The OV-Mini utilizes Windows® CE technology allowing for a faster power-up time of four seconds from sleep mode. The OV-Mini has a large internal memory that typically stores up to 500 traces and eliminates the need for a hard drive, which can fail under extreme field conditions.



OV-Mini Optical Time Domain Reflectometer
| Photo LAN1666



OV-Mini Optical Time Domain Reflectometer
| Photo LAN1670

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specifications |

Wavelength	850/1300/1310/1550 nm
Dynamic Range	24/25/29/28 dB (850/1300/1310/1550 dB)
Pulse Width	Multimode: 10, 30, 100, 275, 1000 ns Single-mode: 10, 30, 100, 275, 1000, 2500, 10,000
Event Dead Zone	2.5 m
Attenuation Dead Zone	11/11/11/12 m (850/1300/1310/1550 dB)
Linearity	± 0.03 dB
Loss Threshold	0.05 dB
Loss Resolution	0.01 dB
Sampling Resolution	0.16 to 5 m
Sampling Points	Up to 30,000
Distance Uncertainty e (m)	± (0.75 + 0.0025% x distance + sampling resolution)
Distance Range	0.65 - 160 km
Typical Real-Time Refresh	2 Hz
Memory Capacity	500 traces
CW Source	Yes
General	
Size (H x W x D)	250 x 125 x 75 mm (9 7/8 x 4 15/16 x 3 in)
Weight	1 kg (2.2 lb)
Operating Temperature	-18°C to +50°C (+14°F to +122°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Relative Humidity	0% to 95% non-condensing
Power	Li-Ion batteries 8 hours of continuous operation as per Bellcore TR-NWT-001138
Warranty	1 year
Power Meter	-DK and -XK units
Visual Fault Locator	-DK and -XK units
Video Inspection Probe Software	-DK and -XK units

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ordering information |

Part Number	Description
MiniBK	MiniBK Multimode/Single-mode OTDR with power supply, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST® Compatible OTDR port, cleaning supplies and soft carrying case.
MiniDK	MiniDK Multimode/Single-mode OTDR with power meter and VFL, power supply, video inspection software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case.
MiniXK	MiniXK Multimode/Single-mode OTDR with power meter and VFL, video inspection probe, power supply, video inspection software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case.
MiniXK-TK	MiniXK Multimode/Single-mode OTDR with power meter and VFL, video inspection probe, separate handheld multimode/single-mode source, power supply, video inspection probe software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case.
HANDHELD-COMBO	MiniXK Multimode/Single-mode OTDR with power meter and VFL, video inspection probe, separate handheld multimode/single-mode source, power supply, video inspection probe software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case. Included with this kit is an OS1 Fixed V-Groove Fusion Splicer and Splicer Tool Kit.
CONTRACTOR-COMBO	MiniXK Multimode/Single-mode OTDR with power meter and VFL, video inspection probe, separate handheld multimode/single-mode source, power supply, video inspection probe software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case. Included with this kit is an OS1 Fixed V-Groove Fusion Splicer, Splicer Tool Kit and UniCam® Pretium® Kit.
Accessories	
UI-SC	Universal Interface Source/OTDR Connector Adapter, SC
UI-ST	Universal Interface Source/OTDR Connector Adapter, ST Compatible
UI-FC	Universal Interface Source/OTDR Connector Adapter, FC
OA-SC	Power Meter Connector Adapter, SC
OA-ST	Power Meter Connector Adapter, ST Compatible
OA-FC	Power Meter Connector Adapter, FC
OA-LC	Power Meter Connector Adapter, LC
OA-MTRJ	Power Meter Connector Adapter, MT-RJ
OTSREPORTER	PC Batch Processing Software
TE-WARRANTY-1	1-year Extended Warranty, includes all repairs and replacement charges of defective parts excluding freight; does not include normal, yearly calibration
TE-WARRANTY-2	2-year Extended Warranty, includes all repairs and replacement charges of defective parts excluding freight; does not include normal, yearly calibration
VIPROBE-DUAL	Video Inspection Probe Kit for use with OV-Mini, OV-1000 and OTS-600; 200x/400x magnification with coaxial lighting; includes bulkhead tip set for SC and FC and also universal 2.5 mm tips

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ordering information | (continued)

Part Number	Description
OTDR Access Jumpers	
PTF-100M-6P5050	Portable Test Fiber Box, MM 62.5 µm fiber, ST® Compatible to ST Compatible, 100 m
PTF-100M-6P3950	Portable Test Fiber Box, MM 62.5 µm fiber, SC to ST Compatible, 100 m
PTF-100M-6P3939	Portable Test Fiber Box, MM 62.5 µm fiber, SC to SC, 100 m
PTF-100M-5P5050	Portable Test Fiber Box, UniCam® Pretium® 300 Multimode, ST Compatible to ST Compatible, 100 m
PTF-100M-5P3950	Portable Test Fiber Box, Pretium 300 Multimode, SC to ST Compatible, 100 m
PTF-300M-SP5865	Portable Test Fiber Box, single-mode fiber, SC UPC to SC APC, 300 m
PTF-300M-SP5454	Portable Test Fiber Box, single-mode fiber, FC UPC to FC UPC, 300 m
PTF-300M-SP5858	Portable Test Fiber Box, single-mode fiber, SC UPC to SC UPC, 300 m
PTF-300M-SP6161	Portable Test Fiber Box, single-mode fiber, ST Compatible UPC to ST Compatible UPC, 300 m

Note: Additional portable test fiber box configurations are available on request. Please contact a Corning Cable Systems Customer Service Representative for more information.

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