Wire**X**pert Adapter

Whether you are testing newly installed MPO links, aggregation links, or even performing incoming testing of MPO components like cassettes, the WireXpert offers the most accurate and efficient solution in the market. By combining all testing needs in one instrument, it gives you unparalleled cost saving and convenience.

Applications

- Testing of MPO/MTP links
- Troubleshooting MPO links (check polarity/configuration, test connectivity, absolute power level meter)
- Testing and troubleshooting of aggregation links from LC end to MPO end
- Testing of MPO components (cassette, fanout)
- Comprehensive support for managing

Features

- MPO/MTP testing integrated with WireXpert cable certifier
- MPO/MTP Autotest in less than 5 seconds

- Detailed Test Reports: Seamless reporting with single fiber autotests and copper autotests
- Testing MPO/MTP-to-LC/SC links:
  - End-to-end loss test from MPO to LC
  - Connectivity check from MPO to individual fiber
- Automatically identifies connection type (A, B, C, or custom)
- Allows configuring number of active fibers in MPO, making it possible to test even custom links including 8-fiber links
- Allows reference setting and testing with any connection type
- Displays absolute power level and loss
- Cable labeling and test results

MPO/MTP®-ADAPTER

IT Networks

Testing MPO/MTP links

MPO testing is performed with Light Source, Power Meter, Channel, Permanent Link adapter connected to WireXpert remote unit and MPO Power Meter adapter connected to the Local and Remote unit.

In case when the link has fewer than 12 fibers, it is possible to configure measurement on selected fibersfrom setup menu. Autotest takes less than 5 seconds and test results can be viewed on the screen, as well as saved in the unit. WireXpert's reporting software eXport supports MPO test results management. MPO results can be viewed and printed with other single fiber and copper test results in the same database.

Testing of MPO-to-LC/SC links

MPO links are often used for aggregating a number of link segments.

WireXpert offers a unique feature to test links from the aggregation endpoint (MPO) to the equipment interface (SC/LC). MPO Light Source adapter is attached to WireXpert Remote unit and standard multimode adapter is attached to WireXpert Local unit. The channel under test is then connected to the receiver port of multimode adapter in „Power Meter" mode. This mode can be used for performing test against a specified loss limit.

Testing MPO Cassettes/fanouts

MPO-to-LC test setup can also be used to perform testing of MPO cassettes or fanouts. WireXpert "learns" desired connection map during "set reference" process. This allows testing of MPO components with customized mapping in addition to standard A, B, or C type.

PARAMETERS	SPECIFICATIONS
Autotest	
Test time	5 seconds
Test parameters	Loss per channel in graphical and tabular format, method/polarity of link (A, B, C, or custom), pass/fail against user set limit
MPO link configurations	All 12 fibers or user selected fibers
Test Configurations	MPO-MPO
	MPO-SC/LC(requires multimode fiber adapter WX_AD_EF_MM2 on local unit)
MPO Light Source Adapter	
Fiber/connector type	Multimode MPO (Type A, pinned)
Wavelength	830nm-860nm
MPO Power Meter Adapter	
Fiber/connector type	Multimode MPO (pinned)
Input optical power level at saturation	-1.0dBm
Loss measurement dynamic range	0-15 dB
Loss measurement accuracy	+- 0.2dB

ORDERING INFORMATION

WX_AD_MM_MPO_KIT
Test kit consisting of: MPO test kit for WireXpert including light source, power meter, a pair of unpinned to pinned Type A test cords, a pair of Type A adapters, one unpinned to unpinned Type A reference cord, one unpinned to unpinned Type B reference cord, MPO cleaning kit

WX_AD_MM_MPO_SOURCE
MPO light source adapter for WireXpert

WX_AD_MM_MPO_PWRMETER
MPO power meter (receiver) adapter for WireXpert

WX_AC_MM_MPO_TESTCORD
MPO test cord Type A, unpinned to pinned, 2m

WX_AC_MM_MPO_REFCORD_A
MPO reference cord Type A, unpinned to unpinned, O.Sm

WX_AC_MM_MPO_REFCORD_B
MPO reference cord Type B, unpinned to unpinned, O.Sm

WX_AC_MM_MPO_RE FCORD_C
MPO reference cord Type C, unpinned to unpinned, O.Sm

WX_AC_MPO_ADAPTER_A
MPO Type A adapter

OTHER RELATED PART NUMBERS

WX4500-FA:
WireXpert cable certification tester copper kit

WX_AD_EF_MM2:
Encircled flux compliant Multimode Fiber adapter set for 850 nm and 1300 nm

For more information please contact:

For technical information and support please contact the Softing office in your country.