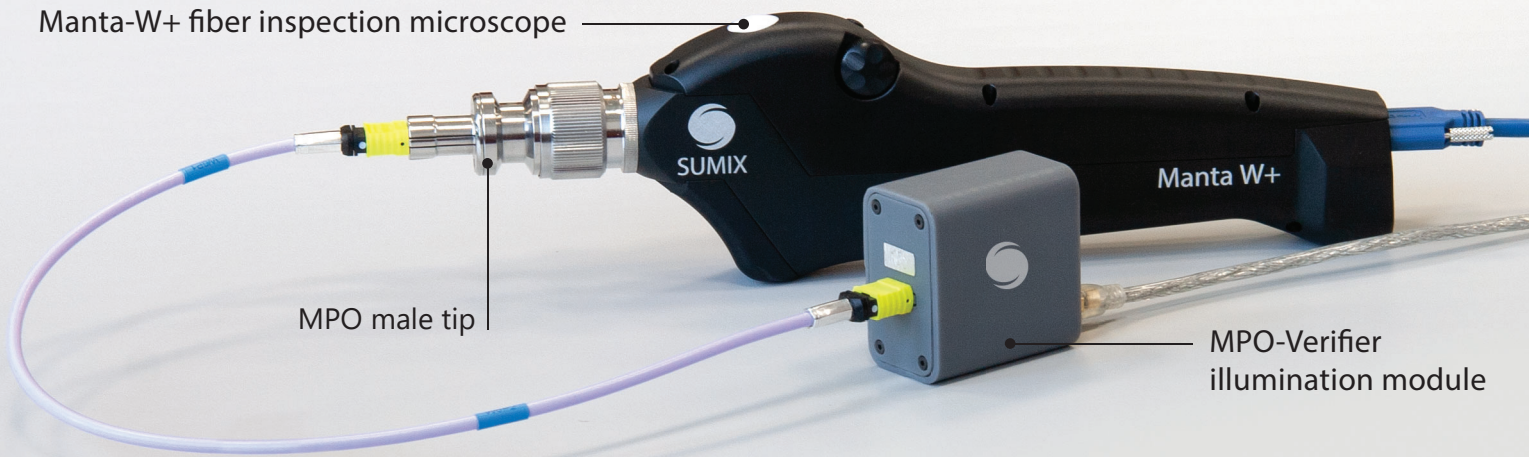


# Polarity, continuity and endface inspection solution



## for MPO patch cords

MaxInspect™ analytical software



# Applications

- MPO patchcord and transceiver manufacturing;
- Network installation;
- Incoming inspection.

Since contamination and improper fiber crossing are key issues disrupting network performance, Sumix offers a single solution covering the **three essential tests needed to verify MPO cables** prior to installation and save troubleshooting time when cables are put into service:

- End-to-end polarity validation — type A (Straight), B (Crossed), C (Cross pairs) or custom;
- Continuity confirmation to quickly check if there are no damaged fibers;
- Connector endface inspection and Pass/Fail analysis to check for contamination, scratches, and defects that can impact signal transmission.

Name:	Result4631
Date & Time:	9/17/2019 3:56:34 PM
Task name:	MT12 verification tool
Connector ID:	
Customer:	
Technician:	Admin
Company:	Sumix
Polarity type for checking:	Type B

Side A	1	2	3	4	5	6	7	8	9	10	11	12
Side B expected	12	11	10	9	8	7	6	5	4	3	2	1
Side B actual	12	11	10	9	8	7	6	5	4	3	2	1



← NEW MEASURE

Print

Print to PDF

Export to Excel

Send Result to Database

The software can be adjusted to **custom fiber wiring** making Sumix solution an essential tool to determine the position of each MPO fiber and to verify proper fiber order at the output.

## How does it work?

MPO-Verifier from Sumix is an LED light module illuminating optical fibers of MPO connector in determined sequence. Manta-W+ fiber microscope performs optical inspection of the connector and identifies luminous optic fibers. The software analyzes the sequence of illuminated fibers on each end of the MPO cable and provides information about polarity type of the patchcord as well as each optic fiber position.

## Features

- Supports 12/24/48-fiber and 16/32-fiber MPO, both male and female types, MM and SM;
- Very compact solution (dimensions of MPO-Verifier are: W32 mm x L53 mm x H53 mm);
- Non-contact scan (MPO fibers and pins remain intact);
- Automated test and analysis;
- Applicable for short fiber links;
- Compatible both with Sumix Manta microscopes and interferometers.