MPO Polarity Tester

Specification

VER 2.0

Liverage Technology Inc. 3F-5, No. 30 Taiyuan Street, Chupei City, Hsinchu County 302, Taiwan
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1. Description:

The MPO Polarity Tester is the useful tool designed for checking the defects of a MPO arrayed fiber cable and MPO Connector or check the type A/B/C of MPO cable rapidly.
The testing is works for both SM/MM cable and the MPO Input/output port of PC or APC as well.
The MPO emits a visible 650 nm wavelength visible red laser light through fiber optic cables, then if there are breaks or defects in the fiber will refract the light, creating a bright glow around the faulty area.

The LD output signal can be all 12 Fibers switched to CW Mode to obtain different visual effects.

2. Features:

- Easy to check fiber faults by using 650 nm visual red laser
- Type A / B / C MPO patch cord and polarity checking.
- Range: visibility up to SMF or MMF Fiber 1 km
- 12F MPO Connector for testing additional
- Highly effective power circuits designed for stable laser power
- Operating in Continuous Wave (CW) Mode or Pulse Mode
- Cost-effective MPO testing solution.
- Built-in battery for easy carrying

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3. Specification

Output	
Laser Class	Class 2M
Wavelength	650 nm ± 10 nm @ 25℃
Spectral Width	< 10 nm
Output Power	> 0.4 mW @ 25℃ into 9 µm fiber
Emitting Range	Visibility up to 1 km
MPO Adaptor	Male / APC
Input	
Wavelength	650 nm
MPO Adaptor	Male / APC
Other	
Supply Voltage	5V
Input Power (Charging)	5V ⎓ 1A
Operating Case Temp Range	0℃ to 50℃
Storage Ambient Temp Range	-20℃ to 70℃
Dimension	168 x 109 x 43 mm
Weight	1Kg
Battery Operating Time	5 Hours

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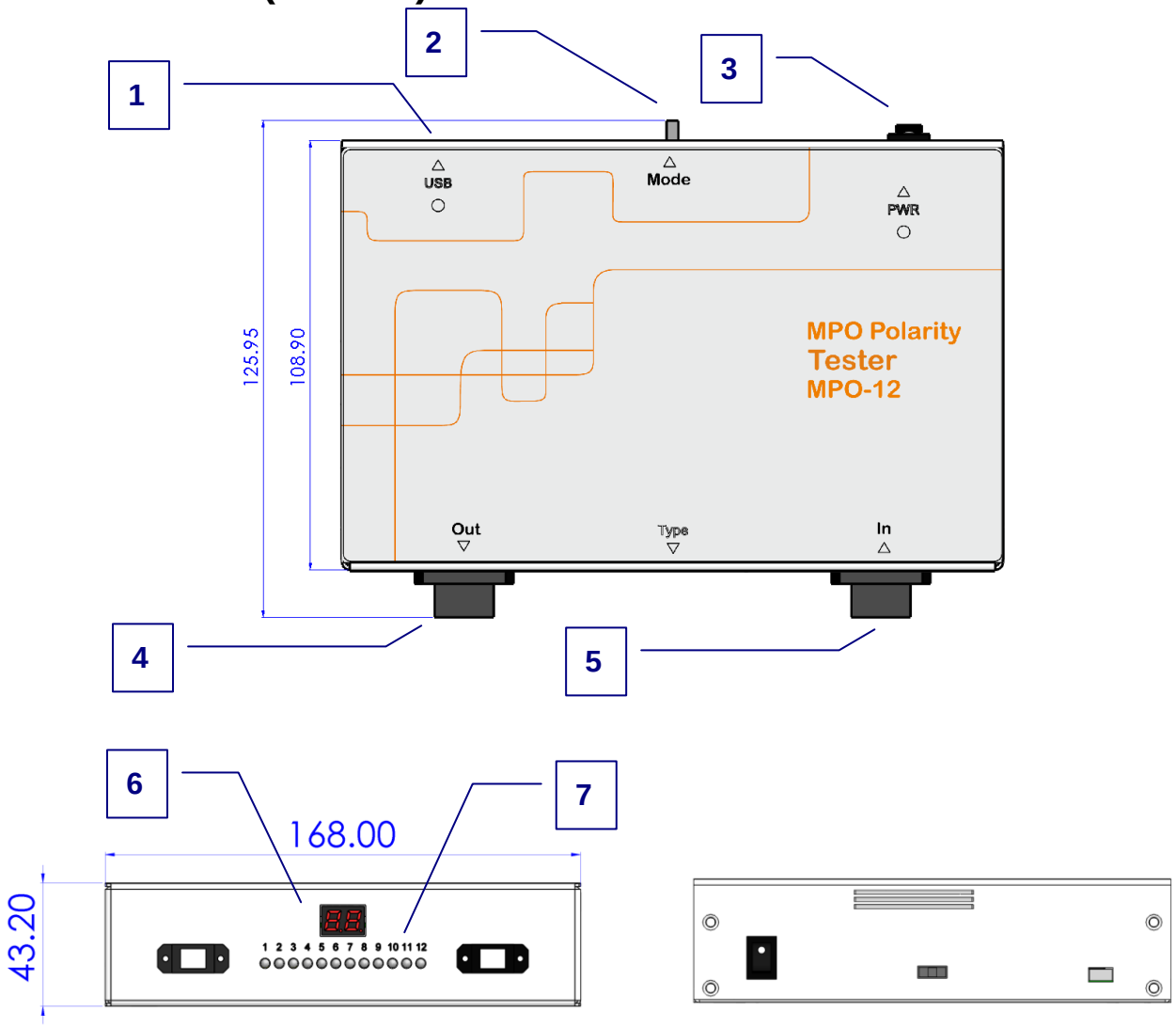
4. Dimension (in mm)



1. **Mini USB Type :** DC charge，Input 5.0V/1.0A.
2. **Output Mode:** CW Mode、Pulse Mode or 1Ch~12Ch Single auto scan.
3. **Power Switch :** Power On/Off.
4. **Output:** Transmit output for angle physical contact.
5. **Input:** Receiving Input for angle physical contact.
6. **Display :** Show MPO Type "A"、"SA"、"B"、"SB"、"C"、"SC"、 or "- -".
7. **LED:** Show received light source indicator

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5. Operating Manual

1. To connect MPO Polarity Tester to USB to charge the internal battery.
2. Connecting the MPO fibers (DUT, Device Under Test) to the MPO Polarity Tester In / Out Adapter.
3. Turn on (Power Switch) the MPO Tester
4. You can switch the Mode button to 1Ch~12Ch Single auto scan .
5. To check the MPO fibers polarity type , shown the "A、B、C" for 12 channel Fiber and the "SA、SB、SC" for 8 channel Fiber.
   If the display shown the "_ _" , that mean is Fiber Broken.
6. To turn off (Power Switch) the MPO Switch
7. To disconnect the DUT for MPO In / Out Adapter.
8. To disconnect the USB.
9. To store the MPO Polarity Tester properly.

Warning:

Laser Product!

Please do not stare at the laser beam directly.

To shut off the Laser urgently, please turn off the Switch or to cover the cap directly.

6. Maintenance

Like any other type of electronic equipment, this MPO Polarity Tester should be kept away from water, high humidity, dust, electricity, and environments of extreme temperatures. Do not drop this tool on any hard surface. Internal modification of any of the MPO polarity Tester components can cause a malfunction and will invalidate the manufacturer's warranty.

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7. Warranty

The manufacturer warrants this product to be free of defects in workmanship and materials for a period of 1 year after purchase. This warranty is solely limited to the repair or replacement of the original parts. All other costs are the sole responsibility of the owner. This warranty does not cover any defects, damage, or deterioration due to misuse, alteration, or negligence.

8. Ordering Information:

Part Number	Description		
	Wavelength	Cores	Output Power
S20201119999	**650 nm**	**12F**	**> 0.4 mW**

9. Service Contacts

Please contact us:

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Record of Revisions		
Rev.	Date	Description of Change
VER 1.0	2019.08.12	Preliminary VER 1.0 Released
VER 2.0	2021.04.15	Modify P/N : S20201119999

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