

# MPO Polarity Tester

## Specification

## 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.

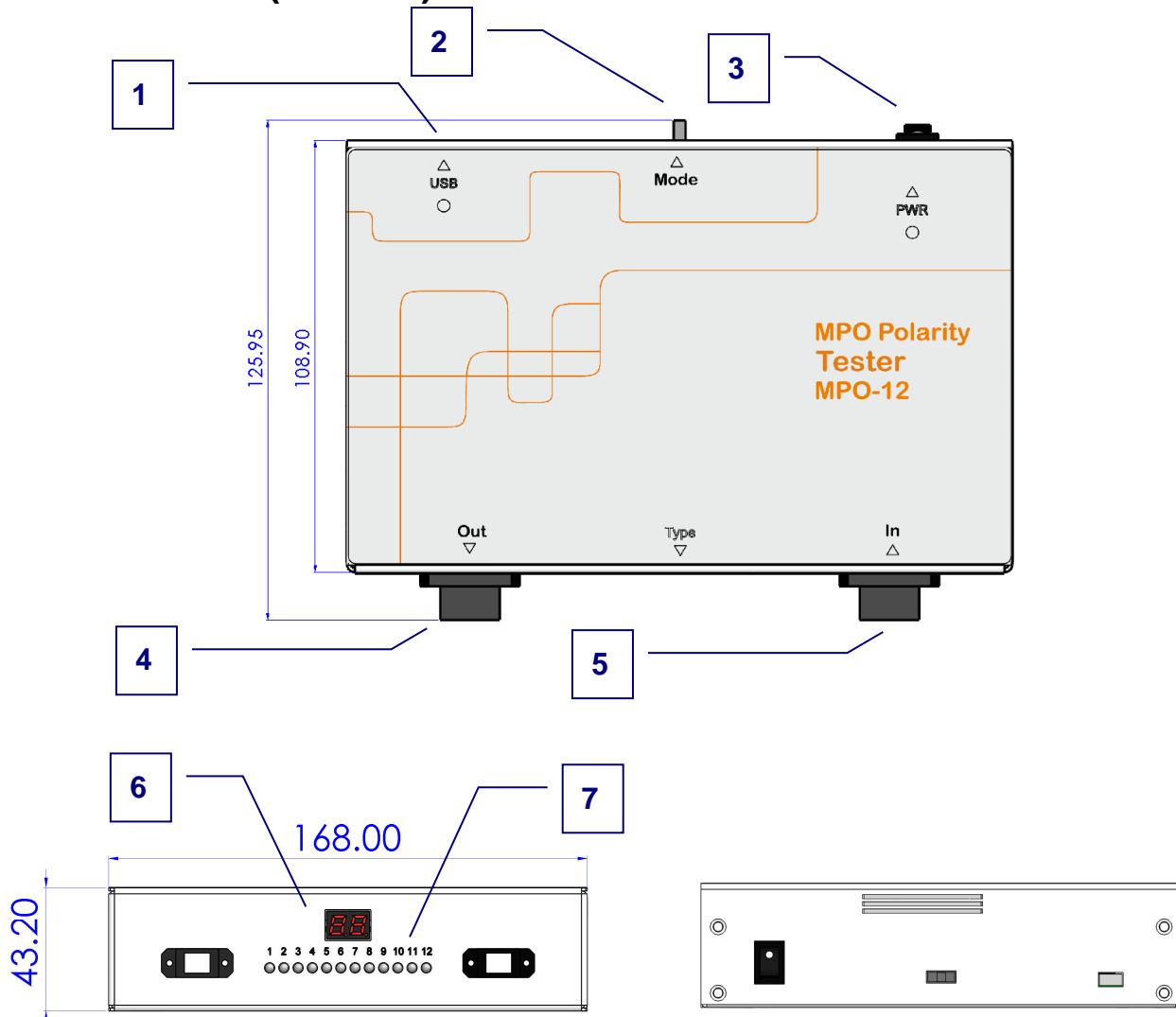
## 2. Features:

- 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

### 3. Specification

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

## 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" 、 "B" 、 "C" or "-".
7. **Led**: Show received light source indicator

## **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.**

<b>Record of Revisions</b>		
<b>Rev.</b>	<b>Date</b>	<b>Description of Change</b>
VER 1.0	2019.08.12	Preliminary VER 1.0 Released