




***QUICK REFERENCE GUIDE***

**KI-TK800 Series MPO Visual Cable Verifier**

## Quick Reference Guide – KI-TK800 Series MPO Visual Cable Verifier

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### KI 28800 series Light Source operation

- Only insert MPO female (no pin) connector into instrument's optical adaptor(s). You can use either MM or SM fiber.
- To turn instrument on press [On/Off] (green button).
- To view firmware version, hold [F4] then press [On/Off].
- To view all display segments, press and hold [On/Off], [F1] at the same time until it stops beeping.
- To defeat auto power-off, hold [On/Off] for 3 seconds at turn on until 'Perm' is displayed.
- Low battery is indicated with a battery symbol.
- To turn on emitters (CW mode), press [F1/Source].
- To turn on blinking mode (green light blinking at 2 Hz) for fiber-1, press [F3/Mode]. Press and hold [F3/Mode] for 3 sec to return to CW mode.
- To turn off emitters, and return to Home menu, press [Home].
- To turn on back light press [  ].





### KI 6608 40x magnification microscope operation

- Replace the Universal optical adaptor that comes with the microscope with an MPO12xn or MPO16xn adaptor.
- Before inserting any MPO connector, check the scope MPO adaptor lateral position, and If necessary, use the MPO

adaptor alignment screw to adjust the connector to the mid-position.

- Rotate microscope to the position at which the "TOP" label on adaptor is facing up. Note that image is reversed when viewed through microscope.
- Insert connector to be inspected.
- Press and hold front switch of blue toggle button to use green oblique illumination. This is very useful to show dirt on the end face.
- While holding eye piece to your eye, adjust focus knob to achieve a clear image of connector tip. *When image is in focus, the centre of XY-alignment screw is positioned near the white arrow on the right of focus knob.*
- Rotate XY-alignment screw to position image of connector tip at the centre.
- With "TOP" label facing up, determine MPO cable type by comparing the pattern image seen on microscope, with that shown in the *MPO Cable Verifier Pattern Guide* section of this manual.
- Releasing the front switch of toggle button now will change to microscope illumination to coaxial mode.
- To turn off illumination manually, press rear button of blue toggle button, or it will also automatically turn off later.
- To disable auto-off timer, power unit with external supply via USB.

KI-KI800 Series MPO Cable Verifier Pattern Guide




Cable type	<b>Pattern – MPO12</b> (Microscope adaptor's "TOP" label facing up)
A (Straight)	
B (Cross)	
C (Cross Pair)	
D (Universal)	

## KI-KI800 Series MPO Cable Verifier Pattern Guide

Cable type	<b>Pattern – MPO24</b> (Microscope adaptor's "TOP" label facing up)
A (Straight)	
B (Cross)	
C (Cross Pair)	
D (Universal)	

For MPO 36/48/72, you will see 3/4/6 rows of identical patterns that specific to a cable type.

### KI-KI800 Series MPO Cable Verifier Pattern Guide

<b>Cable type</b>	<b>Pattern – MPO16</b> (Microscope adaptor's "TOP" label facing up)
A (Straight)	
B (Cross)	
C (Cross Pair)	

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Cable type	<b>Pattern – MPO32</b> (Microscope adaptor's "TOP" label facing up)
A (Straight)	
B (Cross)	
C (Cross Pair)	