

KI-TK800 Series

Handheld MPO Visual Cable Verifier

Optical Communications

MPO / MTP Test Applications

- Cable type identification: A, B, C
- Polarity & continuity checking to 1.5 Km
- Quick visual inspection of MPO connector end
- One solution for SM, MM, 4 – 24 fibers
- Other solutions for 12, 16, 32, 48, 72 fibers



Revision 8

The KI-TK800 series Handheld MPO Visual Cable Verifier comprises a multicolor Light Source, used in conjunction with a 40x Optical Microscope, to verify / identify MPO fiber patch cable types, and complete links.

This innovative solution requires negligible learning or training, and will enable a variety of staff to quickly verify the general status of a cable or link up to 1.5 Km.

The complete kit comprises an MPO Visual Cable Verifier Source, a x40 FiberSafe Microscope, and MPO cleaning materials, in a durable semi-rigid case.

In combination with other Kingfisher MPO optimized loss testers and microscopes, users can achieve a comprehensive, versatile, and accurate MPO capability at a modest price point.

Features

- Easily identify Type A (straight), B (cross), C (cross pair), D (universal) cable assemblies
- Identify fiber-1 of MPO cable
- Check end to end polarity of installed links up to around 1.5 km MM, 1 Km SM
- Simple & quick to use
- A single unit works for most applications: 4, 10, 12, 24 fiber, SM and MM
- Long battery life & external power via micro USB
- Microscope has enhanced eye laser safety
- Microscope can find dirt around MPO pins etc.
- 3 ~ 7 Year warranty
- Made in Australia

LIGHT SOURCE GENERAL SPECIFICATIONS

Parameter	Value	Parameter	Value
Battery life	70 hours, typical	Dust cap	Captive, functions as tilt bail when slid open
Size	190 x 105 x 35 mm / 7.5 x 4.1 x 1.4 "	Operating / Storage	-15 to 55 °C / -25 to 70 °C
Weight	420 gm / 0.9 lb.	Relative humidity	<95 %
LCD size	74 x 55 mm / 2.9 x 2.2 "	Power	2x AA Alkaline / NiMH cells, user selectable on-board charging; micro USB Ext power input; Selectable auto-off, low battery indicator, backlit display
Case	Polycarbonate / rubber edges & corners, moisture resistant, 1-meter drop tested		

MICROSCOPE GENERAL SPECIFICATIONS

Parameter	Value	Parameter	Value
Size	184.4 x 49.3 mm / 7.3 x 1.9 "	Input damage level	+30 dBm / 1 Watt
Weight	0.21 kg / 0.47 lb.	Max Eye Safe input level	+30 dBm / 1 Watt 800 – 1650 nm +20 dBm / 100 mW 635 – 800 nm
Optical magnification	x40	Relative humidity	95 %
Max viewable diameter	5mm	Operating / Storage	-15 to 55 °C / -25 to 70 °C
Battery life	Up to 300 hours	Power	1x AAA battery, External power via micro-USB, Low battery indicator, Auto-time off
Triple-mode illumination	Coaxial, Oblique, Core illumination		
LED life	100,000 hours		

Note: This microscope is not recommended for final connector acceptance, because it has low x40 magnification. However, it's good image quality may sometimes be sufficient, and is also extremely useful for finding dirt around MPO pins and elsewhere away from the fiber tips. A x200 microscope is suggested for final connector acceptance. Refer to microscope brochure in [Kingfisher website](#).

Australian and international patents. Technical data is subject to change without notice as part of our program of continuous improvements.

ORDERING INFORMATION

Description	P/N
Kit, Cable Verifier, MPO-12	KI-TK812
Kit, Cable Verifier, MPO-12/24 (for typical users)	KI-TK824
Kit, Cable Verifier, MPO-72	KI-TK872
Kit, Cable Verifier, MPO-16/32	KI-TK832

STANDARD EQUIPMENTS/ACCESSORIES

Description	P/N	Quantity			
		KI-TK812	KI-TK824	KI-TK872	KI-TK832
Instrument, Source MPO-12 Visual Cable Verifier	KI 28812	1			
Instrument, Source, MPO-12/24 Visual Cable Verifier	KI 28824		1		
Instrument, Source, MPO-72 Visual Cable Verifier	KI 28872			1	
Instrument, Source, MPO-16/32 Visual Cable Verifier	KI 28832				1
Instrument, Microscope Optical 40x, 2.5 mm Univ	KI 6608	1	1	1	1
Option, Scope Adaptor MPO/MTP 12 x n	OPT677	1	1	1	
Option, Scope Adaptor MPO/MTP 16 x n	OPT674				1
Option, Carry Case, KI2x / KI9x, case only	OPT154B-CASE	1	1	1	1
Stick-Type, MPO Connector Cleaner, 10-stick Pack	TOOL CLEAN-05A	1	1	1	1
Quick Reference Guide, KI-TK800 series	NA	1	1	1	1
Operation manual (source & microscope)	NA	1 (each)	1 (each)	1 (each)	1 (each)
QA certificate (source & microscope)	NA	1 (each)	1 (each)	1 (each)	1 (each)
Carry Pouch (source & microscope)	NA	1 (each)	1 (each)	1 (each)	1 (each)
Carry strap (source & microscope)	NA	1 (each)	1 (each)	1 (each)	1 (each)
USB Cables (type C or micro for source; type micro for microscope)	NA	1 (each)	1 (each)	1 (each)	1 (each)

OPTIONAL ACCESSORIES

Description	Part number
Option, MPO Test Adaptor, 72/48 Female to 12 Male	OPT812
Option, MPO Test Adaptor, 72/48 Female to 24 Male	OPT824
Option, MPO-12xn Through Adaptor	OPT800
Option, Digital Camera for Fibersafe Microscope, 5 MP	OPT684A
Option, MPO/MTP reel cleaner	OPT401

SHIPMENT SIZE / WEIGHT

Description	Value
Carry case (OPT154B-CASE)	430 (L) x 330 (W) x 80 (H) mm / 16.9 (L) x 13.0 (W) x 3.1 (H) "
Weight of a complete test kit	2.5 Kg / 5.5 lbs.



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