KI 6354 SERIES

OPTICAL VISUAL FAULT LOCATOR

OPTICAL COMMUNICATIONS TEST APPLICATIONS

- Fiber identification
- Fiber continuity testing
- Connection polarity testing
- Precise optical fault location
- Cable route location

Revision 3

The KI 6354 visual fault locator is a small, high quality and very low skill fiber cable tester. It has only one button, and an operating range of a few km.

Visible light is injected into the fiber under test, and can be seen from a fiber end, or through most 3 mm cable types at a break or loss point.

This pen meets Class 1 safety standards (IEC IEC60825 2011) for total emitted power, so does not need any special safety eye safety precautions.

FEATURES

- Very simple and compact
- 2 x AAA batteries
- Captive dust cap
- Pen -style retaining clip
- Recessed button
- 2.5 mm universal connector
- Selectable Pulsed / CW
- Class 1 eye safety, 2011 IEC standards
- Needs no special eye safety procedures
- Durable construction
- 12 month warranty

KINGFISHER INTERNATIONAL

CE ISO 9001

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KI 6354 SERIES — OPTICAL VISUAL FAULT LOCATOR

The KI 6354 Visual Fault Locators are used to test all fiber types, up to about 5 Km.

A fiber fault or loss point can be easily located since it emits a bright red light[1]. Continuity or polarity testing of a fiber is simply achieved by looking for red light coming out of the fiber bundle. Alternatively a fiber route can be confirmed by bending a patch lead so red light leaks out of the patch lead.

This simple tool is useful on short links, or on a long link in combination with an OTDR, since an OTDR is not precise.

The universal connector adapter is suitable for 2.5 mm fiber optic connectors, and the ceramic alignment sleeve ensures durable operation. A 1.25 mm adaptor is available.

650 nm light is optimised for visibility and distance, and pulsing helps improve this further.

These high quality instruments are ruggedly constructed from metal and rubber, and can withstand dust and water immersion.

The specially designed captive protective dust cap which is semi-translucent enables user to see if the laser is turned on even with the cap is mounted on the instrument.

The pen and labeling is compliant with eye safety standard IEC60825-2011 Class 1, so no special safety procedures are required. This applies to both coupled and total emitted power.

Kingfisher can supply alternative VFL devices up to 10 mW, 635 nm, with test kits, built in to power meters or loss test sets. Our unique VisiTest option on some equipment mixes a VFL with a test laser.

SPECIFICATIONS

Parameters	Value
Wavelength	655 ± 5 nm
Output power[2], typical	350 µW (-4.6 dBm) for 9/125 µm 600 µW (-2.2 dBm) for 50/125 µm
Connector	2.5 mm universal[3]
Working mode	CW & 2-3 Hz modulation
Retention force for ferrule	1-2 N
Laser protection class	1 (IEC60825-2011)

GENERAL SPECIFICATIONS

Parameters	Value
Operating temperature	-10 to +45 °C
Storage temperature	-40 to + 70 °C
Power	2 pcs AAA batteries
Battery life	> 40 hours
Weight	83 g (including batteries)
Size	18 x 160 mm

Note 1: Some cable materials can absorb red light. Standard 3 mm yellow and orange patch leads generally provide good visibility. Many purple cables do not.
Note 2: with PC polish connector. Coupled power into an APC connector is less. Max permissible power for Class 1 laser is 1 mW.
Note 3: Some connector styles such as E2000 require the removal of the screw mounted chrome protective ring.

ORDERING INFORMATION

Description	P/N
Visible Pen, 2.5 mm Ferrule, pulsed & CW	KI 6354

Please enquire for other output power option.

STANDARD ACCESSORIES

Description	Quantity
Manual	1
carry tube	1
AAA battery	2

OPTIONAL ACCESSORIES

Description	P/N
Connector ferrule converter, 2.5mm Male to 1.25mm Female, SMF	OPT189

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

AUTHORISED DEALER

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