

Visible Fault Locator

A visible fault locator is the simplest possible optical fiber tester, with 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.

Optical Communications Test applications

- Fiber identification
- Fiber continuity testing
- Precise optical fault location
- Cable route locator

Features

- Very simple to use
- High quality universal connector
- Pulsed or CW models
- Durable construction
- IP 67 dust & water immersion protected

KI6353
3 x Coin cell batteries
Key ring style
650 nm continuous



KI6351 / KI6352
2 x AAA batteries
Rubber grip Pen Style
635 nm pulsed



KI 6350 series Visible Fault Locator

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The KI 6350 series Visible Fault Locator is used to test all fiber types, up to a range of around 5 Km.

A fiber fault or loss point can be easily located since it emits a bright red light¹. Continuity 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 with an OTDR, since an OTDR is not precise.

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

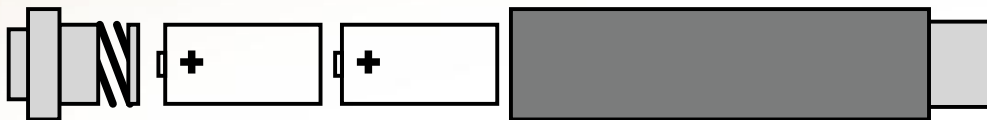
635 nm light is more visible to the human eye than 650 nm, and pulsing helps improve this further.

The KI 6351/2 is more suited to regular use, and the inexpensive KI6353 is ideal for occasional use.

These high quality instruments are ruggedly constructed from metal. They have an IP 67 environmental rating, and can withstand dust, humidity, and immersion in 1 m of water.

A 3 year warranty is standard, and the equipment complies with Class 2 laser safety standards.

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.



Common Specifications

Coupled power	9/125 μ m or larger fiber core: 0.6 mW or -2.2 dBm ² typ
Laser safety class	2
Environmental rating	IP 67
Ferrule retention force	1 – 2 N
Operating / storage	-10 to +45°C / -40 to +70°C

Note 2: with PC polish connector. Coupled power into an APC connector is less

Specifications	KI 6351 & KI 6352	KI 6353
Wavelength	635 nm	650 nm
Batteries	2 x alkaline AAA	3 x alkaline coin cell LR44
Battery life	40 hours	2 hours
Operation mode	Pulsed at 2-3 Hz	Continuous
Connector types	KI 6351: 2.5 mm universal ³ KI 6352: 1.25 mm universal ³	2.5 mm universal
Size	171 x 18 mm	73 x 14 x 19 mm
Weight inc batteries	98 g	63 g

Note 3: Some connector styles such as E2000 require the removal of the screw mounted chrome protective ring



2.5mm universal connector with protective ring removed.



1.25 mm universal connector with protective ring removed.

Ordering Information Please enquire for other combination

Instrument	p/n
Visible Pen, 2.5mm Ferrule	KI 6351
Visible Pen, 1.25mm Ferrule	KI 6352
Key ring Style Visible, 2.5mm Ferrule	KI 6353

Standard Accessories

Batteries, instruction manual, carry tube.

Technical data is subject to change without notice as part of our program of continuous improvements. Class 2 Laser product, complies IEC60825-1 and 21CFR1040.10. International patents filed



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