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Data Sheet

August 13, 2026

KINGFISHER

Kingfisher KI6354

Kingfisher KI6354 Pen Visual Fault Locator 650 nm The Kingfisher KI6354 is a pen-style visual fault locator (VFL) for continuity, polarity, and break finding on singlemode, multimode, and plastic optical fiber. It injects visible 650-660 nm laser light. Maximum output is less than 1 mW so the device meets IEC 60825-2:2011 Class 1 with no special eye-safety procedures even with no fiber connected. Range is a few kilometres (more than 5 km in certain cases). A universal 2.5 mm adapter fits FC/SC/ST class connectors. One recessed button selects CW or pulsed. Power is 2 x AAA alkaline. Captive dust cap and clip. Three-year warranty. Made for Kingfisher (German pen construction on distributor sheets). The Kingfisher KI6354 is a pen-style visual fault locator (VFL) for continuity, polarity, and break finding on singlemode, multimode, and plastic optical fiber. It injects visible 650-660 nm laser light. Maximum output is less than 1 mW so the device meets IEC 60825-2:2011 Class 1 with no special eye-safety procedures even with no fiber connected. Range is a few kilometres (more than 5 km in certain cases). A universal 2.5 mm adapter fits FC/SC/ST class connectors. One recessed button selects CW or pulsed. Power is 2 x AAA alkaline. Captive dust cap and clip. Three-year warranty. Made for Kingfisher (German pen construction on distributor sheets). Short-link work and OTDR event confirmation



MODEL

Kingfisher KI6354

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

KI6354

LISTING

<https://aumictechlabs.com/products/ki6354-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kingfisher KI6354 is a Class 1 visual fault locator engineered to identify breaks, bends, and loss points across singlemode, multimode, and plastic optical fibers. Operating at 655 ± 5 nm, this compact instrument delivers visible red light to fault sites up to 5 km distant, enabling rapid continuity verification and precise cable route tracing in field installations.

Technical Specifications

- Wavelength: 655 ± 5 nm (650–660 nm range)
- Output Power: 350 μ W (–4.6 dBm) for 9/125 μ m fiber; 600 μ W (–2.2 dBm) for 50 μ m fiber; maximum <1 mW
- Effective Range: Up to approximately 5 km
- Laser Class: Class 1 per IEC 60825-2:2011
- Power Supply: 2 $\times$ 1.5 V AAA alkaline batteries
- Battery Life: Approximately 40 hours in blink mode
- Dimensions: 160 mm length $\times$ 18 mm diameter
- Construction: Metal and rubber body; drop-resistant

Key Features

- Single-button operation for power and mode selection
- Continuous light and flash (≈ 3 Hz) modes for enhanced visibility and range
- Universal 2.5 mm connector adapter; 1.25 mm adapter available
- Semi-translucent captive dust cap for laser status visibility
- Design prevents accidental activation and rolling
- Dust and water immersion resistant

Typical Applications

- Continuity checks on fiber optic cable links
- Physical fault location: breaks, sharp bends, high-loss points
- Fiber route identification in complex installations
- Cable polarity and connection verification
- Precise fault pinpointing on short links or complementary localization with OTDR systems

Compatibility & Integration

Universal adapter accommodates all standard 2.5 mm optical connectors. 1.25 mm adapter option expands compatibility across connector families. Laser Class 1 designation requires no special safety procedures during operation.

KI6354 Characteristics / Specifications

PARAMETER	VALUE
Model	KI6354
Manufacturer	Kingfisher International
Instrument Type	Pen visual fault locator
Series	6350 / 6354 VFL
Alias	KI 6354; KI6354
Wavelength	650 to 660 nm
Optical Power Max	less than 1 mW
Laser Class	Class 1 IEC 60825-2:2011
Connector	2.5 mm universal
Alignment Sleeve	ceramic
Modes	CW and pulsed
Range	a few km; more than 5 km in certain cases
Fiber Types	singlemode, multimode, plastic optical fiber
Visibility	fiber end or through most 3 mm cable at a break or loss point
Controls	one recessed button
Power	2 x AAA alkaline
Dust Cap	captive translucent cap
Clip	pen retaining clip
Safety Practice	do not look into the output or a connected fiber end
Skill Level	low skill one-button tester
Warranty	3 years
Construction	metal and rubber drop resistant class
Not Power Meter	VFL only; use KI3600XL for calibrated dBm
Sibling KI63	650 nm 2.5 mm CW and pulsed pen
Form	pocket pen

PARAMETER	VALUE
Country Path	Kingfisher branded; German-made pen on some sheets
Operating Use	indoor/outdoor field continuity
Pulse Purpose	improves visibility versus CW
Adapter	2.5 mm only unless a 1.25 mm adapter is separately fitted Notes Specs from Kingfisher KI6354 VFL user/operation text (650-660 nm, less than 1 mW Class 1, 2.5 mm, CW/pulsed, few km). Confirm 2.5 mm versus LC 1.25 mm adapter. Do not treat asacalibrated optical power meter.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Clip	pen retaining clip

Safety Practice: do not look into the output oraconnected fiber end

Skill Level: low skill one-button tester

Warranty: 3 years

Specifications

PARAMETER	VALUE
Construction	metal and rubber drop resistant class
Not Power Meter	VFL only; use KI3600XL for calibrated dBm
Sibling KI6358	650 nm 2.5 mm CW and pulsed pen

Specifications

PARAMETER	VALUE
Form	pocket pen
Country Path	Kingfisher branded; German-made pen on some sheets
Operating Use	indoor/outdoor field continuity

Pulse Purpose: improves visibility versus CW

Adapter: 2.5 mm only unless a 1.25 mm adapter is separately fitted

Notes

Specs from Kingfisher KI6354 VFL user/operation text (650-660 nm, less than 1 mW Class 1, 2.5 mm, CW/pulsed, few km). Confirm 2.5 mm versus LC 1.25 mm adapter. Do not treat asacalibrated optical power meter.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.