

Aluminum Alloy 30km FTTH Fiber Optic Testing Pen VFL Visual Fault Locator Breakpoint Detector

Fiber Optics / Fiber Testing & Splicing Equipment

KONGIA 30 mW VFL visual fault locator for identifying breaks and checking optical fiber continuity. Emits red light at 650 ± 10 nm, features a universal 2.5 mm connector for SC, FC and ST, and allows continuous or flashing light to be selected using a slide switch.



LOCALIZADOR VISUAL DE FALLOS

30 mW · SC / FC / ST

KG-FT-VFL-30MW

Brand
KONGIA

Type
Fiber optic visual fault locator

Nominal power
30 mW

Key features

- Nominal power of 30 mW and red light at 650 ± 10 nm.
- Universal 2.5 mm interface for SC, FC and ST.
- LC compatibility via optional FC-LC adapter, sold separately.
- Continuous and flashing light modes with an off position.
- Slide switch for mode selection.
- Textured aluminum alloy body with flip-up protective cover.
- Powered by two AA alkaline batteries.
- Carrying strap.
- Operating indicator light.
- KONGIA 5-year warranty.

Technical specifications

Parameter	Specification
Brand	KONGIA

Technical specifications

Parameter	Specification
Model	VFL-30MW
SKU	KG-FT-VFL-30MW
Type	Fiber optic visual fault locator
Nominal power	30 mW
Wavelength	650 ± 10 nm
Reference range	up to 30 km; depends on fiber, losses and test conditions
Interface	Universal 2.5 mm
Compatible connectors	SC, FC and ST
LC compatibility	Requires a 1.25 mm FC-LC adapter, sold separately
Modes	Continuous light (CW), off (OFF) and flashing (GLINT)
Monitoring	Slide switch with indicator light
Power Supply	2 AA alkaline batteries
Reference runtime	More than 9 hours; depends on batteries and operating mode
Body material	Aluminum Alloy
Color	Black with purple switch and cap
Grip	Aluminum alloy body with non-slip texture
Connector protection	Flip cover
Operating temperature	0 to +60 °C
Storage temperature	-20 to +70 °C
Reference dimensions	175 x 20 x 20 mm
Reference weight	70 g
Sales unit	1 locator
Safety	Do not look directly into the laser output or the end of an illuminated fiber
Indicator	Operating indicator light
Warranty	5 years

Applications

Break Location

Visual inspection of light leakage points in accessible fiber.

Continuity and Identification

Visual tracing of compatible links and patch cords.

FTTH Installation and Maintenance

Visual checks during connection preparation and inspection.

Connection Inspection Near the Panel

Assist the visual search for leaks in accessible patch cords, bends and joints beside the ODF, with the link isolated and following the optical safety procedure.

Packaging & contents

1 KONGIA VFL-30MW locator with strap. Requires 2 AA alkaline batteries. The FC-LC adapter is optional and sold separately; cables and connectors shown are for demonstration.

Warranty

KONGIA 5-year warranty.