

High-Precision Optical Multimeter 3-in-1 · OPM + 10 mW VFL + LED · 10 Wavelengths

Fiber Optics / Fiber Testing & Splicing Equipment

KONGIA 3-in-1 optical meter with -50 to +26 dBm OPM, 10 mW VFL at 650 nm and auxiliary LED light. Offers ten calibrated wavelengths, memory for up to 500 records and power from two AA batteries.



OPM3IN1-G510B
-50 a +26 dBm | VFL 10 mW



Medidor óptico 3 en 1
OPM + VFL de 10 mW + iluminación LED

KG-FT-OPM3IN1-G510B

Brand
KONGIA

Functions
Optical power meter (OPM), visual fault locator (VFL) and LED lighting

Optical power range
-50 to +26 dBm

Key features

- Three integrated functions: optical power, visual fault location and LED lighting.
- InGaAs detector with a spectral range of 800 to 1700 nm and ten calibrated wavelengths.
- Wavelength memory at power-off and cyclic storage of up to 500 records.
- 2.5 mm interface with SC and FC adapters; ST and LC compatibility, with an optional adapter for LC.
- Manual user calibration in 0.1 dB steps using the REF and dB keys.
- 650 nm, 10 mW VFL with replaceable ceramic core.
- Backlit display, folding rear stand and shutdown after 10 minutes on standby.

Technical specifications

Parameter	Specification
Brand	KONGIA
Model	OPM3IN1-G510B
Functions	Optical power meter (OPM), visual fault locator (VFL) and LED lighting
Optical power range	-50 to +26 dBm

Technical specifications

Parameter	Specification
Detector	InGaAs
Spectral range	800-1700 nm
Calibrated wavelengths	850, 980, 1270, 1300, 1310, 1490, 1550, 1577, 1625 and 1650 nm
Logarithmic resolution	0.01 dBm
Linear resolution	0.1%
Wavelength memory	Retains the selection when powered off
Data storage	Up to 500 records, with cyclic overwriting
Calibration	Manual user adjustment in 0.1 dB steps
Optical interface	Universal 2.5 mm
Compatible connectors	SC, FC and ST; LC with optional adapter
Standard adapters	SC and FC
VFL	Nominal power of 10 mW
VFL wavelength	650 nm
VFL ceramic core	Replaceable
Illumination	Integrated auxiliary LED
Screen	Backlit LCD
Units	dBm, dB and linear power
Power Supply	2 AA alkaline batteries
Automatic shutdown	After 10 minutes on standby
Operating temperature	-10 to +60 °C
Storage temperature	-25 to +70 °C
Dimensions	180 x 89 x 42 mm
Holder	Folding rear stand
Warranty	5 years

Applications

FTTH installation

Power level measurement in optical links.

Fiber maintenance

Visual fault location using a 650 nm VFL.

Field Recording

Saving and reviewing up to 500 measurements.

Low-Light Work

Auxiliary LED lighting and backlit display.

Packaging & contents

KONGIA OPM3IN1-G510B device and SC and FC adapters specified as standard. Optional LC adapter. Packaging and additional accessories according to the supplied configuration.

Warranty

KONGIA 5-year warranty.