



Mini tester for fibre optic (OPM and VLF) and data cables

Optical power (OPM) and data cable tester in a compact, sturdy, ergonomic and low power consumption format.

It is used to verify the quality of FTTx optical networks, mainly for FTTH (Fiber To The Home), and data networks. It measures optical power values in single mode (SM) optical fibre for wavelengths 1310nm, 1490nm, 1550nm, 1625nm and 1650nm, and in multimode (MM) optical fibre for wavelengths 850nm, 1300nm and 1310nm. In addition, it is also used to check the pins of the data cables by means of its removable remote unit. Additional features include a Visual Fault Locator (VFL) to verify the signal transmission and includes a flashlight to make it easier to work in poorly lit places.

This mini tester stands out for the integration of multiple functions in a small, easy-to-carry size. This makes it a really practical accessory for the installer, a versatile solution for several applications.

Ref.	236780
Logical ref.	OPMVFLRJ45
EAN13	8424450304976

Packaging info

Box	1 pcs.
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Physical data

Net weight	104.00 g
Gross volume	0.28 dm ³
Gross weight	134.00 g
Width	67.00 mm
Height	104.00 mm
Depth	26.00 mm
Main product weight	104.00 g

Highlights

- Reliable and accurate measurements thanks to high-performance optical detectors
- Integration of multiple functions in a single device: optical power measurement (OPM), visual fault locator (VFL), RJ45 UTP cable test and flashlight
- Measurement results displayed in different units: dBm, dB, and mW
- Automatic calibration function to ensure accurate and consistent measurements at all times
- History of up to 50 records, allowing the review or comparison of previous measurements
- Universal 2.5mm optical interface, compatible with SC, FC and ST connectors
- Also compatible with LC connectors using an intermediate adapter pigtail on multimode (MM) and singlemode (SM) fibres
- Power flexibility: 2 AAA batteries (not included) or USB Type C cable
- Easy to transport for the installer due to its compact size

Technical specifications

Specifications:

Display	1,88 " / 4.8 cm
Flashlight	LED
Power Supply	2x AAA Battery / USB-C Port
Operating Temperature	-10 to +50 °C
Storage Temperature	-25 to +70 °C
Relative Humidity	0 - 95 % (non-condensing)
Dimensions (W×H×D)	67 x 104 x 26 mm
Net Weight	104 g
Languages	English
Data storage	50 records

Visual Fault Locator (VFL):

Wavelength	650 ± 30 nm
Output Power	10 mW
Distance Range	≤ 5 Km (for single mode (SM) fibre)
Laser Safety Level	3R:AEL ≤ 4,99mW (3,5mW typ.)
Frequency	CW, 1, 2 Hz
Connector	FC/SC/ST - 2.5 mm Ferrule UPP (universal push pull)

Optical Power Meter (OPM):

Wavelength	850, 1300, 1310, 1490, 1550, 1625, 1650 nm
Dynamic Range	-70 to +10 dBm
Accuracy	± 0.35 dB
Resolution	0.01 dB
Units	dBm, mW, dB
Tone detection	CW, 270, 1000, 2000 Hz
Detector	InGaAs
Connector	FC/SC/ST - 2.5mm Ferrule UPP (universal push pull)

Network Cable Tester:

Connectors	RJ45 UTP
Maximum Length	305 m