

UPC/APC Network Detection Online Test 1310/1490/1550nm Fiber Optic Tester PON Optical Power Meter — Standard Battery Version

Fiber Optics / Fiber Testing & Splicing Equipment

KONGIA PON optical power meter, standard version with 3 AA batteries, for inline FTTH network testing. Simultaneously measures the 1310, 1490 and 1550 nm channels through two pass-through ports between OLT and ONT.



**MEDIDOR DE
POTENCIA ÓPTICA PON**
1310 / 1490 / 1550 nm • Doble puerto

KG-FT-PON-OPM

Brand
KONGIA

Version
Standard · 3 AA batteries

Type
PON Optical Power Meter / Fiber Optic Tester

Key features

- Simultaneous readings at 1310, 1490 and 1550 nm in compatible PON networks.
- Two pass-through ports for checking optical levels between OLT and ONT.
- Measurement uncertainty ≤ 0.5 dB and insertion loss ≤ 0.5 dB according to the reference datasheet.
- 10 threshold groups and memory for 10 records.
- Color LCD and auxiliary LED lighting activated with REF/LED.
- Interchangeable FC/SC adapters and ST-compatible 2.5 mm interface.
- Housing with protective rubber cover.
- Powered by 3 AA batteries, not included.
- KONGIA 2-year warranty.

Technical specifications

Parameter	Specification
Brand	KONGIA

Technical specifications

Parameter	Specification
SKU	KG-FT-PON-OPM
Version	Standard · 3 AA batteries
Type	PON Optical Power Meter / Fiber Optic Tester
Measurement mode	Simultaneous three-channel measurement; two-port pass-through connection
ONT upstream channel	1310 ± 50 nm
OLT downstream channel	1490 ± 15 nm
VIDEO downstream channel	1550 ± 10 nm
Range at 1310 nm	-35 to +10 dBm
Range at 1490 nm	-40 to +12 dBm
Range at 1550 nm	-40 to +25 dBm
Measurement uncertainty	≤0.5 dB
Insertion loss	≤0.5 dB
Channel isolation	>40 dB
Detector	InGaAs
Display resolution	0.1 dB
Fiber type	Single-mode 9/125 μm
Optical connection	FC/UPC; interchangeable SC/ST adapters; universal 2.5 mm interface
UPC/APC connections	Use adapters or transition patch cords compatible with the polish at each end
Screen	Color LCD with three-channel readings
Thresholds	10 configurable groups
Memory	10 measurement records
Functions	Reference, dBm/mW switching, save/load results, threshold selection, LED and timed shutdown
Power Supply	3 1.5 V AA batteries (4.5 V total); batteries not included
Exterior protection	Protective rubber cover
Operating temperature	-10 to +50 °C
Storage temperature	-40 to +70 °C

Technical specifications

Parameter	Specification
Relative humidity	0-90%, non-condensing
Dimensions	190 x 99 x 46 mm
Device weight	≤254 g
Packaging dimensions	Approximately 220 x 136 x 65 mm
Weight with packaging	Approximately 560 g
Warranty	2 years

Applications

PON / FTTH Networks

Optical level testing during installation and maintenance.

Inline Measurement

Two-port interconnection between OLT and ONT.

Threshold Evaluation

Comparison of the three channels with the configured limits.

Field work

Measurement review and recording with a color display and auxiliary LED.

Packaging & contents

1 KONGIA KG-FT-PON-OPM meter, FC/SC adapters, protective case, strap, user guide and box. The 3 AA batteries are not included.

Warranty

KONGIA 2-year warranty.