

NF-909C

2-in-1 Optical Fiber Tester & Light Source

NOYafa

Fiber Optic Test Equipment

PRODUCT OVERVIEW

The Noyafa NF-909C is a compact, professional-grade 2-in-1 Optical Multimeter designed for fiber optic network testing. Combining an optical power meter with a built-in light source, the NF-909C delivers high accuracy measurements across a wide wavelength range. Its portable design and interchangeable FC/ST/SC/LC connector interface make it ideal for field technicians performing fiber installation, maintenance, and troubleshooting tasks.

KEY FEATURES

• Optical Power Measurement	Measures absolute optical power in both dBm and W units with 0.01 dBm resolution.
• Built-in Light Source	Integrated FP-LD light source with CW, 270 Hz, 1 kHz, and 2 kHz modulation modes at 1310/1550 nm.
• Wide Wavelength Range	Power meter covers 800–1700 nm; calibrated at 850, 1300, 1310, 1490, 1550, and 1625 nm.
• User-Defined REF	New REF user-defined feature for precise relative power and insertion loss measurements.
• Interchangeable Connectors	Compatible with FC, ST, SC, and LC interfaces. One style included; others available separately.
• Insertion Loss Testing	Performs accurate insertion loss tests on optical passive devices and fiber links.
• Compact & Portable	Lightweight mini design built for on-site use. Ideal for field engineers and installers.
• Auto Power Off	Built-in auto shut-off to preserve battery life during extended use.

TECHNICAL SPECIFICATIONS

Optical Power Meter Module

Detector Type	InGaAs
Power Detecting Range	-50 ~ +26 dBm
Wavelength Range	800 – 1700 nm
Calibrated Wavelengths	850 / 1300 / 1310 / 1490 / 1550 / 1625 nm
Display Resolution	0.01 dBm
Detection Aperture	■ 1.0 mm
Measurement Uncertainty	± 0.3 dB (typical)

Light Source Module

Emitter Type	FP-LD (Fabry-Perot Laser Diode)
Output Wavelengths	1310 nm / 1550 nm
Modulation Frequencies	CW / 270 Hz / 1 kHz / 2 kHz
Output Connector	FC (ST / SC / LC via interchangeable adapters)

General Specifications

Model Number	NF-909C
Brand	Noyafa (Shenzhen Nuofangzhou Electronics Co., Ltd.)
Place of Origin	Shenzhen, China
Interface	FC (ST / SC / LC interchangeable)
Operating Temperature	-20 ~ +70 °C
Storage Temperature	-40 ~ +85 °C
Power Supply	1.5V × 3 pcs (AA batteries, not included)
Dimensions (L×W×H)	160 × 75 × 32 mm
OEM / ODM	Available
Warranty	1 Year

PACKAGE CONTENTS

1 × Optical Fiber Meter (NF-909C)	1 × FC Connector Adapter (installed)
3 × 1.5V AA Batteries (not included)	1 × Carry Bag
1 × Box of Clean Cotton Swabs	1 × User Manual

TYPICAL APPLICATIONS

- Fiber optic network installation and commissioning
- Optical power level measurement and link budget verification
- Insertion loss testing of passive optical devices (connectors, splitters, WDMs)
- Fiber fault location and maintenance using built-in light source
- FTTx / PON network testing and troubleshooting
- Telecom, data center, and enterprise LAN fiber qualification

Reference & Distribution: [Digital Dreams — egdigitaldreams.com](https://www.egdigitaldreams.com)

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