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Data Sheet

August 15, 2026

AFL/NOYES

AFL Noyes OPM4-4D SM MM Fiber Optic Power Meter

AFL Noyes OPM4-4D,"Fiber optic power meter supporting both singlemode and multimode testing. Offers precise power measurements across multiple wavelengths. Designed for field use with rugged housing and easy-to-read display. Suitable for installation, troubleshooting, and maintenance of fiber optic links in telecom, enterprise, and datacenter networks."



MODEL

AFL/Noyes OPM4-4D

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OPM4-4D

LISTING

<https://aumictechlabs.com/products/opm4-4d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The AFL Noyes OPM4-4D is a handheld fiber optic power meter for precision optical power measurements and insertion loss testing on singlemode and multimode fiber networks. Field-deployable with rugged construction and backlit LCD display, it serves premises, telecom, broadband, and PON environments. Wave ID automation synchronizes with compatible AFL Noyes OLS light sources to detect and switch wavelengths without manual intervention, eliminating setup errors and accelerating test cycles. The meter detects multiple test tones for fiber identification, stores optical references per calibrated wavelength, and delivers N.I.S.T. traceable measurements. Technical Specifications Supported Fiber Types: Singlemode (SM), Multimode (MM) Calibrated Wavelengths: 850 nm, 980 nm, 1300 nm, 1310 nm, 1480 nm, 1490 nm, 1550 nm,

1625 nm Detector: Filtered InGaAs Measurement Range: +26 to -50 dBm Display Units: dB, dBm, μ W, Watt; insertion loss in dB Accuracy Reference: 25°C, -10 dBm per N.I.S.T. standards Power Source: 2 $\times$ AA alkaline batteries; optional rechargeable NiMH pack or AC adapter Key Features Wave ID: Automatic wavelength identification and switching with OLS series sources; supports simultaneous three-wavelength testing Tone Detection: Recognizes 270 Hz, 330 Hz, 1 kHz, and 2 kHz test signals for fiber identification Reference Storage: Maintains calibrated optical reference per wavelength Display: Dual-wavelength LCD, backlit for direct sunlight visibility. Shows power (dBm or μ W), insertion loss (dB), calibrated wavelengths (nm), tone frequency (Hz), wavelength ID, and estimated battery life Connector Interface: Accepts Noyes thread-on style adapter caps (ordered separately); 2.5 mm universal adapter cap may be included N.I.S.T. Traceability: Ensures measurement integrity to national standards Typical Applications Premises network installation and certification Telecom infrastructure testing Broadband network commissioning Passive Optical Network (PON) validation Compatibility & Integration Automatic Wave ID functionality pairs with AFL Noyes OLS series light sources for synchronized wavelength control, reducing operator dependence and test time. Thread-on adapter interface accommodates standard connector types via separately ordered caps.

OPM44D Characteristics / Specifications

PARAMETER	VALUE
Model	OPM4-4D
Instrument Type	handheld optical power meter
Detector Type	filtered InGaAs
Measurement Range	plus 26 to minus 50 dBm
Calibrated Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Accuracy	plus or minus 0.25 dB at 25 C and minus 10 dBm per NIST
Resolution	0.01 dB
Measurement Units	dB, dBm, uW
Tone Detect Range	plus 6 to minus 30 dBm (plus 6 to minus 25 dBm at 850 nm)
Wavelength Id Range	plus 6 to minus 30 dBm (plus 6 to minus 25 dBm at 850 nm)
Battery	2 x AA
Battery Life	300 hours
Operating Temperature	minus 10 C to plus 50 C
Operating Humidity	95 percent RH noncondensing
Storage Temperature	minus 30 C to plus 60 C
Storage Humidity	90 percent RH noncondensing class
Size	14.0 by 8.1 by 3.8 cm (5.5 by 3.2 by 1.5 inch)
Mass	0.26 kg (0.58 lb)
Host Port	USB miniBAdapter Caps: 1.25 mm universal, 2.5 mm universal, FC, SC, ST, LC
Calibration Interval	3 year recommended
Form Factor	handheld
Application Class	CATV and DWDM high power
Wave Id	automatic when used with Noyes OLS sources
Tone Frequencies	270 Hz, 330 Hz, 1 kHz, 2 kHz

PARAMETER	VALUE
Humidity	95 percent RH noncondensing

OPM44D Specifications

PARAMETER	VALUE
Applications	High power optical power and insertion loss measurements on CATV broadband and DWDM links with Wave ID when paired with a Noyes OLS source.
Wave ID automatic wavelength detection	Tone detect 270 Hz, 330 Hz, 1 kHz, 2 kHz
Technical Specifications	Model: OPM4-4D

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 30 C to plus 60 C
Operating temperature	minus 10 C to plus 50 C
Operating Temperature	minus 10 C to plus 50 C
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Tone Frequencies	270 Hz, 330 Hz, 1 kHz, 2 kHz Notes Numeric rows from AFL OPM5 and OPM4 Optical Power Meters datasheet for OPM4-4D. OPM4-3D/2D/1D use different detectors and ranges; do not mix plus 10 to minus 75 dBm InGaAs rows onto 4D.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.