

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

3M PHOTODYNE

3M Photodyne 3 X 19 XT Optical Attenuato FULL SET OPTICAL METERS W CASE

3M Photodyne 3 X 19 XT, Complete optical attenuation set including multiple meters and housed in a durable case. Designed for optical power level testing and attenuation adjustments in fiber optic networks. Offers portability and reliable measurement accuracy for field service technicians and lab environments performing optical path analysis and maintenance.



MODEL

3M Photodyne 3 X 19 XT

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3 X 19 XT

LISTING

<https://aumictechlabs.com/products/3-x-19-xt-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The 3M Photodyne 3 X 19 XT is a portable optical attenuator set with integrated optical meters, designed for precise attenuation control and power level measurement across multiple wavelengths. This full instrument set includes a protective carrying case and supports both multimode and single-mode fiber characterization, making it essential for field technicians and laboratory environments requiring reliable optical path analysis and fiber optic network maintenance. Technical Specifications Model: 3 X 19 XT Attenuation Range: 0–60 dB at 1550 nm; 0–70 dB at 850 nm and 1300 nm Wavelengths Supported: 850 nm, 1300 nm, 1550 nm Fiber Compatibility: Multimode and single-mode Resolution: 0.1 dB Insertion Loss: 3.0 dB Control Methods: Front panel operation or external electrical signal control via analog input voltage at 25

dB per volt Display: Digital readout with full annunciation of attenuation level and wavelength
Power Supply: AC adapter with internal battery backup (batteries subject to replacement) Optical
Connector: ST/PC (variant dependent)Key Features Dual control - manual front panel adjustment
or voltage-controlled attenuation for automated testing sequences Multi-wavelength operation
across C-band, S-band, and O-band applications 0.1 dB resolution enables fine-tuned optical
signal attenuation for demanding measurements Portable case design supports on-site
deployment across diverse field environments Fully annunciated digital display eliminates
guesswork in attenuation settingsTypical Applications Optical power level testing and
characterization in fiber optic networks Signal attenuation adjustment and optical path loss
analysis Field service and bench-top laboratory measurements Multi-wavelength fiber optic
system validation and troubleshootingCompatibility & Integration Designed for both shortwave
and longwave fiber optic applications. ST/PC connector configuration standard; additional
connector types supported through individual meter variants within the set.

Features & description

From manufacturer datasheet

Features

• 3XT meter wavelengths 850 1300 1550 nm • 19XT attenuation 0 to 70 dB at 850/1300 nm • 19XT attenuation 0 to 60 dB at 1550 nm • 0.1 dB attenuation resolution on 19XT • Handheld battery-powered field instruments • ST/FC/SC adapter compatibility via Photodyne adapters

Applications

• Optical loss measurements with 3XT mini meter • Variable attenuation with 19XT for receiver overload margin tests • Multimode and singlemode LAN fiber commissioning • Field and bench optical level setting

3X19XT Characteristics / Specifications

PARAMETER	VALUE
Model	3 X 19 XT (3XT + 19XT set)
Manufacturer	3M / Photodyne
Instrument Type	Optical Power Meter and Attenuator Set
Alias	3 X 19 XT; Photodyne 3XT and 19XT kit
Meter model	3XT Optical Mini-Meter
Meter wavelengths	850 nm 1300 nm 1550 nm
Meter power class	mini OPM for MM/SM field use
Meter battery	9 V class
Meter connector	ST adapter typical in kits
Attenuator model	19XT Optical Attenuator family
Attenuator range 850 nm	0 to 70 dB
Attenuator range 1300 nm	0 to 70 dB
Attenuator range 1550 nm	0 to 60 dB
Attenuator resolution	0.1 dB
Attenuator accuracy typical	plus or minus 0.2 dB
Attenuator accuracy maximum	plus or minus 0.5 dB
Attenuator step rate	up to 25 dB per second class
Attenuator control	front panel and analog I/O
Attenuator fiber	multimode 850/1300 nm and SM 1300/1550 nm configs
Attenuator connector variants	ST FC SC Biconic D4 per submodel
Attenuator insertion loss listing example	about 3 dB class
Set packaging	often sold with case and adapters
Related source in kits	2XT mini source 850/1300 nm optional
Attenuation	at 850, 1300, and 1550 nm for LAN and telecom fiber commissioning.

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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Related high-end meter family: 17XTG 17XTI series	
Notes	
Set identity from AumicTech catalog title "3 X 19 XT Optical Attenuator FULL SET OPTICAL METERSWCASE."	

Confirm exact 19XT submodel (-062T etc.), connector adapters, and whether 2XT source is included beyond 3XT+19XT.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.