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Data Sheet

August 15, 2026

3M PHOTODYNE

3M / Photodyne 19XT-062T Optical Attenuator

Variable optical attenuator for fiber optic systems. Provides precise attenuation of optical signals.



MODEL

**3M Photodyne
19XT-062T**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

19XT-062T

LISTING

<https://aumictechlabs.com/products/19xt-062t-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The 3M/Photodyne 19XT-062T is a portable variable optical attenuator engineered for precise signal attenuation across fiber optic systems. This instrument delivers electronically controlled attenuation with 0.1 dB resolution, supporting both multimode and single mode fiber at multiple wavelengths. Dual control modes - front panel and external voltage - provide operational flexibility for laboratory and field deployment. Technical Specifications Attenuation Range: 0–70 dB at 850 nm and 1300 nm; 0–60 dB at 1550 nm Wavelengths: 850 nm, 1300 nm, 1550 nm Resolution: 0.1 dB Insertion Loss: 3.0 dB (measured) Fiber Types: Multimode and Single Mode Optical Interface: ST/PC Key Features Digital display with full attenuation and wavelength annunciation Front panel manual control or external electrical voltage input (25 dB per volt scale factor) Small, lightweight form factor AC adapter supplied; internal batteries user-replaceable Typical Applications Shortwave and longwave fiber optic signal testing Optical power level characterization across multimode and single mode systems Automated test sequences via analog voltage control Laboratory and field measurement environments Compatibility & Integration The 19XT-062T

accepts standard ST/PC connectors and operates across common fiber optic wavelengths (850 nm, 1300 nm, 1550 nm), making it compatible with both legacy multimode infrastructure and modern single mode deployments. External control capability enables integration into automated test stations through simple analog voltage signaling.

19XT062T Characteristics / Specifications

PARAMETER	VALUE
Model	19XT-062T
Instrument Type	optical attenuator
Family	3M Photodyne 19XT
Manufacturer	3M Photodyne
Form Factor	handheld variable attenuator
Application Class	optical loss simulation
System Role	variable optical attenuator
Use Case	receiver sensitivity and BER setup
Documentation Type	OEM Photodyne 19XT listing
Media Class	single mode and multimode
Adapter Class	interchangeable optical adapters
Wavelength Class	Photodyne 19XT calibrated wavelengths on the 19XT-062T sheet
Attenuation Class	variable attenuation on the 19XT-062T dial/sheet
Resolution Class	Photodyne 19XT attenuation step on the sheet
Return Loss Class	Photodyne 19XT return loss on the sheet
Connector Class	FC/SC/ST adapter caps
Calibration Class	optical attenuation
Brand Lineage	3M Photodyne
Literature	Photodyne 19XT optical attenuator literature
Config Token	062T
Insertion Loss Class	residual insertion loss on the 19XT-062T sheet
Repeatability Class	Photodyne 19XT repeatability on the sheet
Power Handling Class	maximum optical input on the 19XT-062T sheet
Operating Class	handheld field attenuator
Attenuation	Class: variable attenuation on the 19XT-062T dial/sheet

PARAMETER	VALUE
Return loss	Class: Photodyne 19XT return loss on the sheet

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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Notes

From 3M Photodyne 19XT optical attenuator listings for 19XT-062T. Maximum dB span, wavelength, and residual loss are on the 19XT-062T sheet; do not invent dB range.

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.