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Data Sheet

August 15, 2026

3M PHOTODYNE

3M Photodyne 17XTA

3M Photodyne 17XTA Fiber Optic Power Meter The 3M Photodyne 17XTA is a handheld fiber optic power meter in the Photodyne 17XT family. OEM Photodyne 17XT literature covers germanium detector handheld meters for multimode and single mode power and loss with dBm/uW display and interchangeable connector adapters. Installation and maintenance optical power and insertion loss measurements on multimode and single mode fiber. Documentation Type: OEM Photodyne 17XT listing The 3M Photodyne 17XTA is a handheld fiber optic power meter in the Photodyne 17XT family. OEM Photodyne 17XT literature covers germanium detector handheld meters for multimode and single mode power and loss with dBm/uW display and interchangeable connector adapters. Installation and maintenance optical power and insertion loss measurements on multimode and single mode fiber. Documentation Type: OEM Photodyne 17XT listing Adapter Class: interchangeable optical adapters



MODEL

**3M Photodyne
17XTA**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

17XTA

LISTING

<https://aumictechlabs.com/products/17xta-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The 3M Photodyne 17XTA is a handheld optical power meter for testing and troubleshooting fiber optic networks across single-mode and multimode installations. It delivers measurement capability from -73 dBm to +5 dBm with dynamic range extending to +20 dBm for applications. The instrument operates at four standard telecom wavelengths: 820 nm, 880 nm, 1300 nm, and 1550 nm, making it suitable for diverse network environments and analog systems requiring

precision optical power assessment. Technical Specifications Wavelengths: 820/880/1300/1550 nm Measurement Range: -73 dBm to +5 dBm Dynamic Range: Up to +20 dBm for applications Accuracy: Higher than previous generation units Optical Connector: 2.5 mm connector adapters Form Factor: Handheld Key Features Expanded dynamic range accommodates both standard and optical signals Improved accuracy over earlier models Dual-fiber compatibility eliminates need for separate instruments Compact handheld design enables field deployment and rapid troubleshooting Typical Applications LAN commissioning and link validation SONET and ATM digital system testing Analog cable television systems Erbium-doped amplifier characterization Network maintenance and restoration Engineering and field testing Compatibility & Integration Designed for paired operation with the Photodyne 7XT Light Source, enabling complete bi-directional link characterization. Accepts 2.5 mm optical connector adapters for standard telecom interfaces.

17XTA Characteristics / Specifications

PARAMETER	VALUE
Model	17XTA
Instrument Type	fiber optic power meter
Family	3M Photodyne 17XT
Manufacturer	3M Photodyne
Detector Class	germanium
Display Units	dBm and uW
Form Factor	handheld
Application Class	fiber power and loss
System Role	optical power meter
Use Case	SM and MM installation test
Documentation Type	OEM Photodyne 17XT listing
Media Class	multimode and single mode
Adapter Class	interchangeable optical adapters
Wavelength Class	850/1300/1310/1550 nm class Photodyne 17XT
Range Class	Photodyne 17XT germanium power range on the 17XTA sheet
Resolution Class	0.01 dB class handheld Photodyne meters
Accuracy Class	Photodyne 17XT accuracy table on the 17XTA sheet
Battery Class	handheld battery operation
Connector Class	FC/SC/ST adapter caps
Calibration Class	optical power at calibrated wavelengths
Brand Lineage	3M Photodyne
Sibling	17XTA in the same 17XT family
Literature	Photodyne 17XT fiber optic power meter literature

17XTA Specifications

PARAMETER	VALUE
Key Features	Photodyne 17XT handheld power meter
Germanium detector class	dBm and uW display
Technical Specifications	Model: 17XTA

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 17XT family handheld optical power meter listings for 17XTA. Exact dBm range, calibrated wavelengths, and accuracy are on the 17XTA faceplate/sheet; do not invent dBm span.	

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.