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Data Sheet

August 15, 2026

3M PHOTODYNE

3M / Photodyne 17XTG Fiber Optic Power Meter

3M Photodyne 17XTG Fiber Optic Power Meter The 3M Photodyne 17XTG 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 17XTG 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
17XTG**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

17XTG

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The 3M/Photodyne 17XTG is a portable fiber optic power meter engineered for field testing, commissioning, and maintenance of single-mode and multimode fiber networks. This instrument delivers measurement accuracy of ± 0.25 dB at -20 dBm with 0.01 dB resolution across a dynamic range of +20 dBm to -64 dBm, making it suitable for analog systems, erbium-doped amplifiers, and digital protocols including SONET and ATM. Technical Specifications Wavelengths: 780, 820,

850, 980 nm Sensor Type: Large area Ge, Large area InGaAs Dynamic Range: +20 dBm to -64 dBm (at 1300 nm) Measurement Resolution: 0.01 dB Measurement Accuracy: ± 0.25 dB (@ -20 dBm) Display: LCD Memory: 10 stored settings Measurement Units: dBm or Watt Power Source: 9V NEDA 1604 alkaline battery Battery Life: Approximately 20 hours Operating Temperature: -5°C to 50°C Relative Humidity: 5% to 95% (non-condensing) Dimensions: 18.6 cm (H) $\times$ 9.5 cm (W) $\times$ 4.6 cm (D) Weight: 0.5 kg

Key Features Reference zeroing with background light compensation Auto-off function to preserve battery life Analog and tone output jacks for external equipment integration Printer port supporting 300 to 9600 bits/second Optional AC power supply and DC power input jack available Compact form factor for portable field deployment

Typical Applications LAN testing and link commissioning Network maintenance and restoration analog cable TV systems Erbium-doped amplifier characterization Digital system verification (SONET, ATM) General fiber optic engineering and testing

Compatibility & Integration Compatible with single-mode and multimode fiber Requires 2000 series adapter caps for optical connection Operates with Photodyne 7XT Light Source for complete test systems

17XTG Characteristics / Specifications

PARAMETER	VALUE
Model	17XTG
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 17XTG sheet
Resolution Class	0.01 dB class handheld Photodyne meters
Accuracy Class	Photodyne 17XT accuracy table on the 17XTG 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

17XTG Specifications

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

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 17XTG. Exact dBm range, calibrated wavelengths, and accuracy are on the 17XTG 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

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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.