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Data Sheet

July 30, 2026

TEKTRONIX

Tektronix TFC200 Handheld Optical Power Meter

Tektronix TFC200 Handheld Optical Power Meter The Tektronix TFC200 is a handheld optical power meter for field and lab measurement of fiber optic power levels. Public product references describe the TFC200 as supporting both multimode and singlemode fiber measurements, multiple calibrated wavelengths, and readouts in dB, dBm, and Watts. The unit is intended for optical power verification, attenuation checks, insertion loss measurements, and general fiber test work. The TFC200 is used for absolute and relative optical power measurements in fiber optic systems. Typical applications include fiber installation and maintenance, insertion loss and attenuation verification, wavelength-specific power checks, reference level storage for comparative measurements, and general service work on multimode and singlemode optical links. The Tektronix TFC200 is a handheld optical power meter for field and lab measurement of fiber optic power levels. Public product references describe the TFC200 as supporting both multimode and singlemode fiber measurements, multiple calibrated wavelengths, and readouts in dB, dBm, and Watts. The unit is intended for optical power verification, attenuation checks, insertion loss measurements, and general fiber test work. The TFC200 is used for absolute and relative optical power measurements in fiber optic systems. Typical applications include fiber installation and

 Tektronix TFC200 Handheld Optical Power Meter

MODEL

Tektronix TFC200

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

TFC200

LISTING

<https://aumictechlabs.com/products/tfc200-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Tektronix TFC200 is a handheld optical power meter for measuring optical power levels across fiber optic networks. It performs absolute power measurements, link loss analysis, threshold testing, and real-time power level monitoring in telecommunications, CATV, and LAN environments. The instrument supports both singlemode and multimode fibers up to 200 μm core diameter with 0.3 NA, delivering $\pm 3\%$ accuracy (± 0.1 dB) across a dynamic range of +10 dBm to -70 dBm. A large backlit LCD display ensures readability in direct sunlight and low-light conditions, while intuitive controls enable field operations without extensive training.

Technical Specifications
Spectral Range: 750 nm to 1700 nm
Calibrated Wavelengths: 780, 820, 850, 1060, 1300, 1310, 1550 nm
Dynamic Range: +10 dBm to -70 dBm
Accuracy: $\pm 3\%$ (± 0.1 dB); typical accuracy 1% at -20 dBm, 20°C, calibrated wavelengths
Readout Resolution: 4 digits, 0.01 dBm
Display: Large backlit LCD, 6.98 $\times$ 5.08 cm
Operating Temperature: -10°C to +45°C
Storage Temperature: -30°C to +75°C
Humidity: 5 to 95% RH (non-condensing)
Operating Altitude: 4,500 m (15,000 ft.)
Dimensions: 9.5 cm (L) $\times$ 3.3 cm (W) $\times$ 20.1 cm (H)
Weight: 0.45 kg (1 lb)
Power: 9 V alkaline (28 hr. battery life) or 7.2 V NiCad rechargeable (8 hr. battery life)

Key Features
Absolute power measurements in dBm or Watts, unaffected by ambient light
Link loss measurement via transmitter/receiver power comparison with stored reference
Threshold testing with selectable dB limits and audible GO/NO GO indication
Analog output port for external power stability recording
Measurement averaging function
Fiber Compatibility All singlemode and multimode fibers up to 200 μm core diameter, 0.3 NA.

Features & description

From manufacturer datasheet

Features

- Interfaces to multimode and singlemode fiber
- Readouts in dB, dBm, and Watts
- Multiple calibrated wavelengths
- Large backlit LCD display
- Battery or AC or DC operation
- Analog output port
- Non-volatile storage of reference power level for each wavelength
- Selectable dB threshold audio indicator
- Wide selection of connector adapters

Specifications

PARAMETER	VALUE
Model	TFC200
Instrument Type	Handheld Optical Power Meter
Measurement Units	dB, dBm, Watt
Fiber Compatibility	Multimode and singlemode

Specifications

PARAMETER	VALUE
Calibrated Wavelengths	780 nm, 820 nm, 850 nm, 1060 nm, 1300 nm, 1310 nm, 1550 nm
Display	Large backlit LCD
Display Resolution	0.01 dB
Reference Storage	Non-volatile reference storage for each wavelength
Analog Output	Yes
Audio Indicator	Selectable dB threshold audio indicator
Powering Options	Battery or AC/DC operation
Dynamic Range	Greater than 0 dBm to -50 dBm
Accuracy	+/-3%
Connector Support	Wide selection of connector adapters

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

Specifications

PARAMETER	VALUE
Model	TFC200
Instrument Type	Handheld Optical Power Meter
Measurement Units	dB, dBm, Watt
Fiber Compatibility	Multimode and singlemode

High-End Wavelength Limit: 1700 nm

Specifications

PARAMETER	VALUE
Calibrated Wavelengths	780 nm, 820 nm, 850 nm, 1060 nm, 1300 nm, 1310 nm, 1550 nm
Display	Large backlit LCD
Display Resolution	0.01 dB
Reference Storage	Non-volatile reference storage for each wavelength
Analog Output	Yes
Audio Indicator	Selectable dB threshold audio indicator
Powering Options	Battery or AC/DC operation
Dynamic Range	Greater than 0 dBm to -50 dBm
Accuracy	+/-3%
Connector Support	Wide selection of connector adapters

Operational Notes

The TFC200 is intended for straightforward handheld fiber power measurements with wavelength-specific calibration selection and saved references. Public references describe it as suitable for direct sunlight or dark environments due to the backlit display and portable power options.

Notes

This manual OEM source was compiled from public references describing the Tektronix TFC200 optical power meter, including reseller product summaries and Tektronix-related documentation references for wavelength support and operating characteristics.

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.