

## PRODUCT DATA SHEET

## Optical Power Meter

### Product Overview

**REF Definition:** The device can directly measure optic loss.

**User Self-Calibration:** It can self-calibrate to avoid the need for frequent calibration, even after long periods of use. It's designed to mitigate inconsistencies between different brands of power meters.

**Universal Interface:** Utilizes a 2.5mm universal interface based on FC standard, making it convenient to use and compatible with various connector types.

**Power Supply:** Operates on 5 AA batteries and can run continuously for up to 200 hours.

**New Shell Design:** Features a redesigned shell with improved aesthetics and user-friendly structure. The buttons are more durable, and there's enhanced protection for interfaces.

**Multi-Wavelength Calibration:** Equipped with large area detectors to support multi-wavelength calibration, ensuring accurate and consistent measurements for installation, operation, and maintenance of fiber optic networks.



### Features

- 1). The product features a newly designed interface that is user-friendly and built to last.
- 2). It offers a standard testing range with precise accuracy, ensuring reliable results.
- 3). Users can calibrate the device themselves, enhancing convenience and reducing the need for professional calibration services.
- 4). The device allows users to define a reference value, enabling them to record and track initial power values for comparative purposes.

## Parameters

Model No.	NTOPM-1001A	NTOPM-1001B	NTOPM-1001C	NTOPM-1001D
Measurement Range (dBm)	-70 - +6	-50-+26	-70 - +6 with 1000 records	-50 - +26 with 1000 records
Wavelength (nm)	800 - 1700nm			
Detector size	InGaAs $\phi$ 0.3mm ( $\phi$ 1.0mm, $\phi$ 2.0mm Optional)			
Uncertainty	+500			
Calibrated Wavelength (nm)	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm			
Resolution (dB)	0.01dB			
Optical Connector	FC (Interchangeable SC, ST) / 2.5mm universal type			
Power Supply	Alkaline Battery (3AA 1.5V batteries)			
Battery Operating Time	240 hours with 1.5V Battery (3)			
Operating Temperature ( °C )	-10 - +60°C			
Storage Temperature ( °C )	-25 - +70°C			
Relative Humidity	0 to 95% (non-condensing)			
Dimension (mm)	200 x 90 x 50mm (L x W x H)			
Weight (g)	285 g			