

## TF-2205 Series PON Power Meter



Order Code **TF-2205 PON OPM**

### Features:

- It can carry out synchronous measurement of voice, data and video signal in BPON/EPON/GPON.
- Providing simultaneous measurement for all three wavelengths in the fiber (1310nm, 1490nm, and 1550nm)
- Used in burst mode measurement of 1310nm upstream.
- Pass/Fail thresholds for 1310/1490/1550nm can be set separately
- User calibration for 1310/1490/1550nm respectively
- High definition TFT true color screen
- Auto-off function (close, 10min, 30min and 1 hour) and backlight (25%, 50%, 75% and 100%) can be set

**Maxwellon TF-2205 Series PON Power Meter** is developed for FTTx FTTH application and maintenance. This power meter is able to simultaneously test and estimate the signals of the voice, data and video. It is an essential and ideal tool for the construction and maintenance of PON projects.

### Multifunctions

- PON Power Meter
- Visual Fault Locator (VFL)

Visual Fault Locator uses red laser of 650nm to locate broken fiber point and test fiber continuity.

- LAN Length: measure the length of RJ45 cable.
- LAN Sequene: check wire map of RJ45 cable.
- LAN Tracker: trace and locate the RJ45 cable.

Wavelength	1310nm	1490nm	1550nm
Pass Zone	1260~1360nm	1475~1505nm	1540~1560nm
Isolation @ 1310nm	/	>40dB	>40dB
Isolation @ 1490nm	>40dB	/	>40dB
Isolation @ 1550nm	>40dB	>40dB	/
Measurement Range	-35dBm~+10dBm	-40dBm~+12dBm	-40dBm~+25dBm
Uncertainty	≤0.5dB		
Insertion Loss	≤1.5dB		
Detetor Type	InGaAs		
Display Resolution	0.01dB		
Fiber Type	SM 9/125um		
Adapter	FC/SC		
<b>Visual Fault Locator</b>			

Wavelength ( $\pm 20\text{nm}$ )	650nm
Power	$\geq 10\text{mW}$
Mode	CW/1Hz/2Hz
Connector	Universal 2.5mm (FC/SC/ST)
<b>LAN Length</b>	
Test Range	300m
<b>LAN Sequence</b>	
Test Range	300m
<b>LAN Tracker</b>	
Test Range	300m
<b>General Specification</b>	
Display	3.5 inch color LCD
Power Supply	AC/DC adapter: AC: 100~240V, 5V, 2A; Lithium battery: 3.7V 4000mAh
Battery Standby Life	$\geq 20\text{h}$
Battery Working Hours	$\geq 12\text{h}$
Data Storage	1,000
Weight	0.35kg
Dimension	173*82*37mm
Operating Temperature	-10 ~ +50°C
Storage Temperature	-40 ~ +70°C
Relative Humidity	0~95% non-condensing

#### Standard Package

Item	Name	Qty
1	PON Power Meter with SC Adapters for OLT/VIDEO and ONT	1pc
2	AC/DC power adapter	1pc
3	USB cable	1pc
4	User manual	1pc
5	Network Cable Tracker	1pc
6	Soft bag	1pc

#### Ordering Information

Model	Description
TF-2205	With PON Power Meter, VFL, LAN Length, LAN Sequence and LAN Tracker

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