

## FF-3214

### PON Power Meter (Active Fiber Tester)

The PON Power Meter (pon test instrument) is specially designed for PON network construction and maintenance which can be connected between OLT and ONT. The voice, data, video signal (1310/1490/1550) online can be measured synchronously and optical power value (1310/1490/1550) can be displayed with this meter. It's a useful site test tool for the engineers of PON network and maintenance operators.

#### Features

1. Handheld, easy to operate
2. Can test 3 wavelengths' power of PON system synchronously: 1310nm, 1490nm, 1550nm,
3. Can test the burst mode signal of 1310nm
4. True color screen
5. Friendly operation interface, human message management and operation function
6. Can save 1000 testing results. Analyze and display pass/fail status in real time
7. Relative value choice and edit function
8. Can set the threshold value
9. Auto shut off (according to set value)
10. Auto backlight off(according to set value)
11. 4000mAh Lithium battery
12. Power saving design (Low voltage self check and power off)
13. Real-time clock display

### 5 Functions in 1 Device

PON Power Meter

Visual Fault Locator

Rj45 Cable Distance Testing

Rj45 Cable Sequence Testing

Rj45 Cable Tracking



#### Specification

Wavelength	1310nm (upstream)	1490nm (downstream)	1550nm (downstream)
Pass Zone	1260 ~ 1360 nm	1470 ~ 1505 nm	1535 ~ 1570 nm
Testing Range	-35 ~ +10 dB	-40 ~ +12 dB	-40 ~ +25dB
Isolation @1310nm	-	> 40 dB	> 40 dB
Isolation @1490nm	> 40 dB	-	> 40 dB
Isolation @1550nm	> 40 dB	> 40 dB	-
<i>Accuracy</i>			
Uncertainty	<0.5 dB	<0.5 dB	<0.5 dB
Polarization Dependent Loss	<+/-0.25 dB	<+/-0.25 dB	<+/-0.25 dB
Linearity	+/-0.1 dB	+/-0.1 dB	+/-0.1 dB
Through Insertion Loss	<1.5 dB	<1.5 dB	<1.5 dB
Resolution	0.01dB	0.01dB	0.01dB

