



**AISHWARYA TECHNOLOGIES AND TELECOM LIMITED (SINCE 1995)**

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**With 25Years of service excellence**

**ATL-30**



## **PON POWER METER:**

- ❖ ATL-30 PON Power Meter is specifically designed for the PON network construction and maintenance. It's a useful site test tool for the engineers and maintenance operators of PON network of FTTX.
- ❖ It can perform in-service testing of all PON signals (1310/1490/1550nm) on any spot of the network. Pass/fail analysis is conveniently realized through users' adjustable threshold of every wavelength.
- ❖ Adopting 32 digits CPU with low power consumption, ATL-30 becomes more powerful and rapid. More convenient measurement owes to friendly operation interface.

### ***Key Features:***

- ❖ Test 3 wavelengths' power of PON system synchronously: 1490nm, 1550nm, 1310nm
- ❖ Suitable for all PON network (APON, BPON, GPON, EPON)
- ❖ User-defined Threshold Sets
- ❖ Supply 3 groups of threshold values; analyze and display pass/fail status
- ❖ Relative value (differential loss)
- ❖ Save and upload the records to computer
- ❖ Set threshold value, upload data, and calibrate wavelength through management software
- ❖ 32 digits CPU, easy to operate, simple and convenient
- ❖ Auto power off, auto backlight off, low voltage power off
- ❖ Cost efficient palm size designed for field and lab testing
- ❖ Easy-to-use interface with large display for easy visibility

## Wavelength

	<b>1310</b>	<b>1490</b>	<b>1550</b>
Standard wavelengths	<b>(upstream)</b>	<b>(downstream)</b>	<b>(downstream)</b>
Pass zone(nm)	1260~1360	1470~1505	1535~1570
Range(dBm)	-40~+10	-45~+10	-45~+23
Isolation @1310nm(dB)		>40	>40
Isolation @1490nm(dB)	>40		>40
Isolation @1550nm(dB)	>40	>40	

## Accuracy

Uncertainty(dB)	±0.5
Polarization Dependent Loss (dB)	<±0.25
Linearity(dB)	±0.1
Through Insertion Loss(dB)	<1.5
Resolution	0.01dB
Unit	dBm / xW

## General Specifications

Storage number	99 items
Auto backlight off time	30 seconds without any operation
Auto power off time	10 minutes without any operation
Battery	7.4V 1000mAH rechargeable Lithium battery or dry battery
Continuous working	18 hours for Lithium battery; about 18 hours for dry battery too, but different brands for different battery
Working temperature	-10~60°C
Storage Temperature	-25~70°C
Dimension (mm)	200*90*43
Weight (g)	About 330