

# PON Power Meter

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### Variants

DT-19

### Details

#### Product Description:

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.

#### Main Features :

Handheld, easy to operate

Can test 3 wavelengths' power of PON system synchronously: 1310nm, 1490nm, 1550nm,

Can test the burst mode signal of 1310nm

True color screen

Friendly operation interface, human message management and operation function

Supply 10 groups of threshold values for operator's choice, analyze and display pass and fail status

Relative value choice and edit function

Can set the threshold value, upload data, and calibrate wavelength through management software

Auto shut off (according to set value)

Auto backlight off(according to set value)

6600mAh Lithium battery

Power saving design (Low voltage self check and power off)

Real-time clock display

### 1310 upstream measurement

Pass Zone(nm)	1260nm?1360nm
MeasurementRange(dBm)	-35dBm?+10dBm
Output power(max)	15dBm
Isolation@ 1490/1550(dB)	>40dB
Burst mode measurement error	±0.5dB

### 1490 downstream measurement

Pass Zone(nm)	1470nm?1505nm
MeasurementRange(dBm)	-35dBm?+10dBm
Output power(max)	15dBm
Isolation@ 1310/1550(dB)	>40dB

### 1550 downstream measurement

Pass Zone(nm)	1535nm?1570nm
MeasurementRange(dBm)	-35dBm?+10dBm

Output power(max)	15dBm
Isolation@1310/1490nm?	>40dB
<b>Measurement Accuracy</b>	
Connatural uncertainty(dB)	±0.5dB
Linearity(dB)	±0.1dB
Passing through insertion Loss(dB)	1.5dB
<b>General Information</b>	
Detector Type	InGaAs
Optical Connector	FC/SC/ST Interchangeable/2.5 universal adapter
Fiber Type	SM 9/125um
Measurement Unit	dB/dBm/xW
Resolution (dB)	0.01dB
Operation Voltage(V)	DC 3.3V~5.5V
Power Supply	3pc1.5V battery

Continuously Operation time (h)	PON? 90h	PON? 90h  OPM? 100  VFL? 50h	PON?90h VFL?50h	PON?90h OPM?100h
Operation Temperature(?)	-10??60?			
Storage temperature(?)	-25??70?			
Dimension	23.5*16*8cm			
Weight	0.65kg			