

## ST805C PON Power meter



### Product description

ST805C 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 FTTH. 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, ST805C 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

### Main functions

- 3 wavelengths' power of PON system synchronously: 1490nm, 1550nm, 1310nm
- test the burst mode signal of 1310nm
- Threshold value setting function
- Data storage function
- Auto backlight off function
- Display the voltage of battery
- Power off automatically when it is in low voltage
- Real-time clock display



All product specifications are subject to change without notice to improve reliability, function or design or otherwise.

*Opticonnect SYSTEMS B.V., an Optical Networking vendor with its headquarters in the Netherlands, provides Optical Transport solutions and Optical Transceivers at the best price performance ratio possible. Our goal is to simplify the planning, deployment and maintenance of*

*complex Optical Networks. This is achieved by our user friendly planning apps and information, sophisticated products and transparent support. Relying on our superior product quality, all items are supplied with life time warranty.*

## Ordering information

ST805C	connector	battery
ST805C -B	SC/APC	Li-ion rechargeable battery

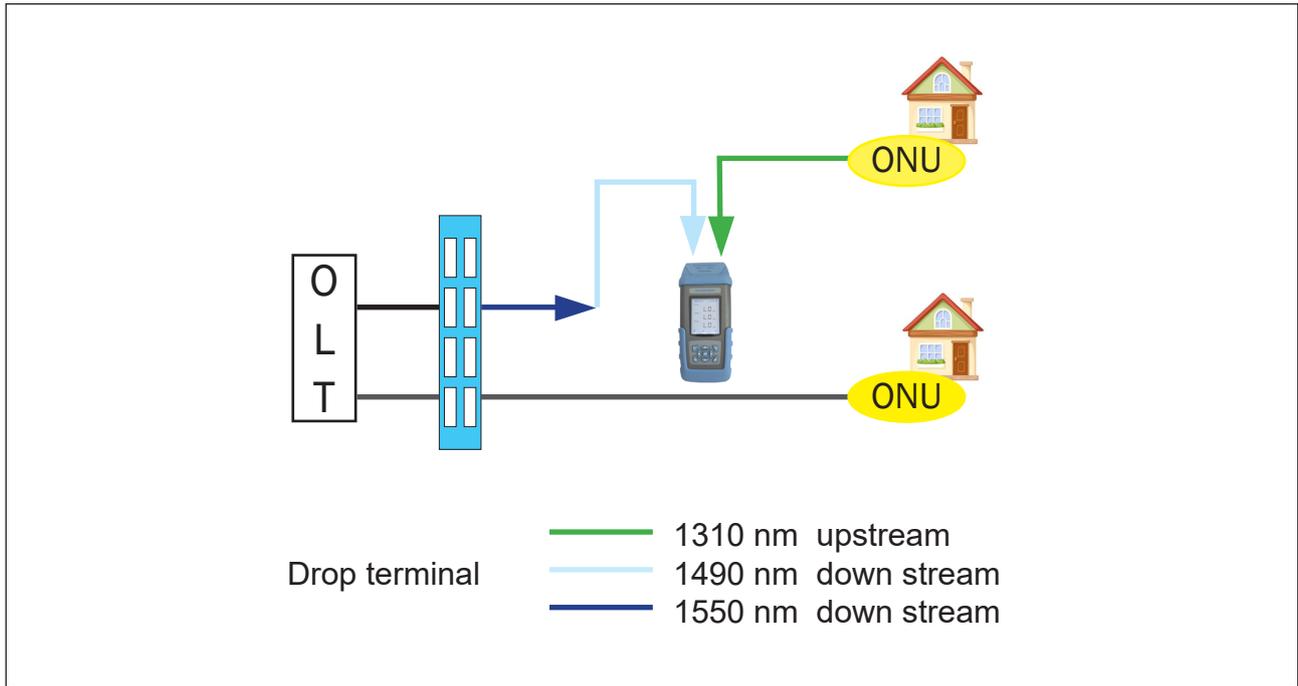
## Specifications

Wavelength			
Standard wavelengths	1310 (upstream)	1490 (downstream)	1550 (downstream)
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 for different battery brands
Working temperature	-10~60°C
Storage Temperature	-25~70°C
Dimension (mm)	200*90*43
Weight (g)	About 330

## Flexible connection



## Ports

