SENTER

ST805C-B
PON Power Meter

GENERAL:

ST805C-B PON Power Meter is specially designed for FTTx/PON network construction test 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. You can process pass/fail analysis conveniently through multiple users' adjustable threshold of every wavelength. It's a useful field test tool for the engineers of FTTx/PON network and maintenance operators.

FEATURES:

▶ *Handheld, easy to operate*
▶ *2 ports in-service pass-through measurement or single port for OLT/CATV power measurment*
▶ *Can test 3 wavelengths' power of PON system synchronously: 1490nm, 1550nm, 1310nm*
▶ *Can test the burst mode signal of 1310nm*
▶ *Large screen LCD display*
▶ *Friendly operation interface, human message management and operation function*
▶ *Supply 3 groups of threshold values for operator's choice, analyze and display pass and fail status*
▶ *Relative value choice and edit function*
▶ *Can save and upload the records through USB to management software*
▶ *Can set the threshold value, upload data, and calibrate wavelength through management software*
▶ *Auto shut off & backlit off (according to set value)*
▶ *Long life Lithium rechargeable battery*
▶ *Display battery level*
▶ *Power saving design (Low voltage self check and power off)*
▶ *Real-time clock display*
▶ *Standard package: including ST805C-B with rechargeable battery, Charger, SC/APC patch cord, Cotton stick, USB cable, Management software CD, User manual and Carrying case*

Calibrated Wavelengths (nm)	1310 (Up)	1490 (Down)	1550 (Down)
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	
Uncertainty[1][2][3] (dB)	±0.5		
Linearity (dB)	±0.1		
Pass-through Insertion Loss[1] (dB)	<1.5		
Resolution (dB)	0.01		
Unit	dBm/W		
Threshold Sets	3 configurable threshold groups		
Display	LCD		
Battery Type / Battery Life	2,000mAh Li-ion rechargeable battery / 35 hrs		
Optical Ports	2xSC/APC		
Operating Temperature (°C)	-10～60		
Storage Temperature (°C)	-25～70		
Dimension (mm)	200x90x43		
Weight (g)	330		

Note: [1] Typical [2] CW, -7dBm [3] At calibrated wavelengths

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