SmartOTDR series GW1000 Optical time domain reflectometer

Product overview

GW1000 SmartOTDR series adopts a 3.5 inch color capacitive touch screen, which enables rapid and hand-free operation . It combines eight essential fiber tests in one handheld with OTDR, event map,stable light source, optical power meter, red light source, network line sequence test, line finding and lighting. Simple parameter setting and intelligent measurement ensure the operation more simple and efficient .

It is compact and light, easy to carry. It supports wireless charging and the large-capacity battery ensures 10 hours of ultra long time measurement and 20hours of ultra long standby, providing guarantee for field testing .

GW1000 SmartOTDR is mainly used to measure the length, loss, average loss, return loss, connection quality, etc of various optical fibers and cables . It features the function of automatic optical protection to prevent damage to optical modules . With filter module, it can support online testing , and the maximum online optical power is -2dbm .

It can be widely used in FTTx last-mile installation and troubleshooting,short access-network testing and maintenance, and CATV network testing

Main Features

- 3.5 "FTF LCD, capacitive TP touchscreen
- Type C USB ,and wireless charging
- Large capacity battery, 20 hours
- Multi function integration: OTDR / LS /VFL/ Network cable test/Flashlight

- Minimum measurement: 2 .5 m
- Palm design , compact and lightweight
- Hidden interface , shock and fall resistant

Technical Specifications

Model	GW1000-D	GW1000-S1	GW1000-S2	GW1000-S3
Wavelength	1310/ 1550± 20nm	1610±20nm	1625±20nm	1650±20nm
Dynamic range	24/22dB	22dB	22dB	22dB
Fiber type	G .652D			
Event dead zone	2.5m			
Attenuation zone	8 m			
Measuring range	100m/500m/1km/2km/5km/10km/20km/40km/60km/90km			
Pulse width	5ns/10ns/20ns/50ns/100ns/200ns/500ns/1us/2us/5us/10us			
Accuracy	±(1m+Sampling interval+0.005% X measuring range)			
Linearity	±0 .2dB/dB			
Sample points	Maximum sampling points: 20000			
Sampling resolution	25cm~8m			
Loss resolution	0.001dB			
Range resolution	0 .001m			
Refractive index	1 .0000~2 .0000			
Reflection accuracy	±3d B			
File format	Standard sor file format			
Safety level	C lass 3B			
Temperature	work temperature： - 10℃~50℃ Storage temperature： -40℃~+70℃			
Humidity	0~90%(non condensing)			
Size / weight	Size ： 17cmX12cmX3cm weight: 340g			

OPM (Optic Power Meter)		LS (Laser Source)		Others	
Wavelength	850/ 1300/ 1310/ 1490/ 1550/ 1625/ 1650nm	Wavelength	1310/1550nm	VFL	≥10mW
Measurement Range	A:-70~+10dBm(standard)	Laser type	FP - LD	RJ45 wire tracker	Line sequence / Line tracking
	B:-50~+26dBm (optional)			Battery (OTDR)	4000mAh/3 .7V Li-ion
Frequency	270Hz/330Hz/1kHz/2 kHz	Power	-5dBm±2dB	Battery (wire tracker)	9v Alkaline 6LR61
Uncertainty	±5%	Uncertainty	±5%	Adapter	USB(Type C)
Connector	Universal head: FC/ SC/ ST	Connector	FC/SC/ST	Memory	Inside≥1000 , external:SD

Standard package：

GW1000 OTDR with built-in battery;

USB cable line ;

Power adapter;

SC adapter ;

Wire tracker;

Battery for wire tracker

User Guide;

Pouch/carrying bag

Color options： black/orange / blue

Wifi Charging：