

X-100S Smart Series OTDR



Features

- ❖ OTDR/event map/laser source/power meter/VFL/RJ45/Line finding/Lighting 8 in 1
- ❖ 3.5-inch color LCD screen with capacitive touch screen, support multi-touch
- ❖ 90km measuring range ,2 .5m event dead zone
- ❖ Supports type C and wireless charging
- ❖ Pocket design, small and light, easy to carry
- ❖ Large-capacity battery, more than 20 hours continuous working, intelligent power-saving mode
- ❖ Hidden optical port design, shock-proof and drop-resistant
- ❖ File standard format SOR, support batch processing
- ❖ One-button intelligent detection, automatic data analysis

Models

Module Number	Wavelength(nm)	Dynamic Range(dB)	Event/Attenuation Dead Zone(m)
X100S-D24	1310/1550± 20	24/22	2.5
X100S-SF1	1310±20	24	2.5
X100S-SF2	1550±20	22	2.5
X100S-SF3	1610±20	22	2.5
X100S-SF4	1625±20	22	2.5
X100S-SF5	1650±20	22	2.5

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Specifications

Fiber Type	G.652D
Event Dead Zone	2.5 m
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/1μs/2μs/5μs/10μm
Accuracy	±(1m+Sampling interval+0.005%measuring range)
Linearity	±0.2dB/dB
Sample Points	Maximum sampling points : 20000
Sampling Resolution	25cm~8 m
Loss Resolution	0 .001dB
Range Resolution	0 .001m
Refractive Index	1.0000~2.0000
Reflection Accuracy	±3dB
File Format	Standard for file format: SOR
Safety Level	Class IIIB
Temperature / Humidity	Environment temp : - 10°C~+50°C
	Storage temp : -40°C~+70°C
	Humidity : 0~90%(non condensation)
Dimension / Weight	170X120X30mm/340g(with battery)
Battery	3 .7V/4000mAh
Adapter	USB(Type C)

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Other Functional Modules

Optical Power Meter	
Wavelength	800/1300/1310/1490/1550/1625/1650nm
Range	A: -70~+10dBm B: -50~+26dBm
Frequency	270Hz/330Hz/1kHz/2kHz
Uncertainty	±5%
Connector	FC/SC/ST
Laser source	
Wavelength	1310/1550nm
Laser Type	FP-LD
Power	-5dBm~±2dB
Uncertainty	±5%
Connector	FC/SC/ST
Other module	
VFL	≥10mW
RJ45	Line sequence / line finding