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

Specifications

Fiber Type	G.652D
Event Dead Zone	2.5m
Attenuation Zone	8m
Measuring Range	100m/500m/1km/2km/5km/10km/20km/40km/60km/90km
Pulse Width	5ns/10ns/20ns/50ns/100ns/200ns/500ns/1μs/2μs/5μs/10μs
Accuracy	±(1m+Sampling interval+0.005% 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	±3dB
File Format	Standard for file format
Safety Level	Class IIIB
File Format	Standard for file format: SOR
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)

Specifications and descriptions are subject to change without prior notice.

Other Functional Modules

Optical Power Meter	
Wavelength	850/1300/1310/1490/1550/1625/1650nm
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

Models

Model 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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