

X-1100E Multi-function Mini-OTDR



Features

- Nine functions in one: OTDR, OPM, LS, VFL, Event map, RJ45 test, Loss test, Flashlight, Line finder(optional)
- 4.3-inch full-view capacitive touch screen supports multi-touch, any interface supports screen capture
- Cover plate type tempered glass panel, no worry about screen scratch
- Large capacity battery ensures an 8-hour extended measurement time and a 15-hour extended standby time, providing guarantee for field testing operations.
- Support online testing, with a maximum online optical power of -2dBm
- Support PDF output report, support for local storage
- Support USB drives, SD card expansion memory, supports Type C charging and data transmission
- Support power bank charging, no worry about the battery runs out
- In line with the international standards of test data with perfect simulation software, easier to generate the report
- Sink type light port design for better protection
- Automatic optical protection function to prevent damage to the optical module.

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General Specifications

Display	4.3-inch FTF LCD , capacitive TP
Battery	3.7V/5200mAh, standby time >10 hrs
Power Adapter	USB(Type C)
Data Storage	Inside≥1000 ,External:SD
Working/ Storage	-10℃~+50℃/-20℃~+70℃
Humidity	0~90%(non-condensing)
Dimension/Weight	175x105x45mm/450g (with battery)
Package	X-1100E OTDR; soft carrying bag; bag belt; USB cable; RJ45; FC/SC connector; strap; user guide; calibration certificate

Technical Specifications

Measuring Range	100m/500m/1km/2km/5km/10km/20km/40km/60km/90km
Event Dead Zone	1.2 m
Attenuation Zone	6 m
Pulse Width	5ns/10ns/20ns/50ns/100ns/275ns/500ns/1us/2us/5us/10us(for triple wavelength max is 2us
Refractive Index	1 .0000~2 .0000
Reflection Accuracy	±3d B
Sampling Resolution	Minimum 0.2m
Sampling Point	Maximum sampling points : 20000
Sampling Resolution	20cm~8m
Linearity	±0 .2dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
File Format	Standard SOR file format
Safety Level	Class 3B
Range Resolution	0 .001m
Distance Accuracy	±(1m+Sampling interval+0.005% X measuring range) (excluding refractive index error)

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Other Functional Modules

Module	Parameter
VFL	10mW , CW/2Hz (10mW in default)
Optical power meter (OPM)	Wavelength :850/ 1300/ 1310/ 1490/ 1550/ 1625/ 1650nm Option A : -70dBm~-+10dBm (Option A in default) Option B : -50dBm~-+26dBm
RJ45	Line sequence / line finding
Laser source (LS)	Only support SM wavelength, Output : -5dB m±2dB (Adjust), Uncertainty±5%
Network cable test	Support network wire sequence testing and wire alignment

Models

Model Number	Wavelength (nm)	Dynamic Range (dB)	Testing Distance (km)	Online Test
Single Wavelength Sequence				
X1100E-A20SF	1550±20nm (1310 available)	20	1310nm : 30km 1550nm : 50km	Available
X1100E-A22SF	1550±20nm (1310 available)	22	1310nm : 36km 1550nm : 60km	Available
X1100E-A24SF	1550±20nm (1310 available)	24	1310nm : 42km 1550nm : 70km	Available
X1100E-C22SF	1650±5nm	22	50km	Available
X1100E-P22SF	1625±5nm	22	50km	Available
X1100E-T22SF	1610±20nm	22	50km	Available
X1100E-B26SF	1310±20nm	26	50km	Available
Dual Wavelength Sequence				
X1100E-A22D	1310/1550±20nm	22/20	50km(1550nm)	Not available
X1100E-A24D	1310/1550±20nm	24/22	60km(1550nm)	Not available
X1100E-A26D	1310/1550±20nm	26/24	70km(1550nm)	Not available
X1100E- M24	850/1300±20nm	22/24	30km(1300nm)	Not available
Three Wavelength Sequence				
X1100E-S-AT24	1310/1550/1610	24/22/22	60km	Available
X1100E-S-AB24	1310/1550/1625	24/22/22	60km	Available
X1100E-S-AC24	1310/1550/1650	24/22/22	60km	Available