

# X-2100 Multifunction OTDR



X-2100 series tester is a comprehensive optical fiber measuring instrument developed by Shanghai Xianghe Communication Technology Co., Ltd. to solve the measurement of various parameters of optical fiber. It mainly USES OTDR function and has other common measuring functions. Really reflected: ONE MACHINE, TESTING ALL!



## FEATURES

- ◆ Various wavelength and dynamic ranges are available
- ◆ Touch-sensitive and solid physical button work together for perfect user experience
- ◆ Excellent for short-range measurement, Dead zone: 0.8m/4m
- ◆ Maximum sampling resolution: 5cm
- ◆ Support multiple analysis functions on testing results: Segment return loss, Event point return loss, Multi curves comparison, quick screen shots.
- ◆ Complete user data interface: USB(Type A), MINI USB, SD card.
- ◆ VFL, power meter, laser source, GPS, Wifi/Bluetooth, IOT are optional.
- ◆ User friendly GUI design, easy to operate.



## APPLICATIONS

- ◆ CATV network testing
- ◆ Access network testing
- ◆ LAN/WAN network testing

More info  
[www.xhfiber.com](http://www.xhfiber.com)

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# X-2100 Multifunction OTDR

- ◆ Metro network testing
- ◆ Lab and Factory testing
- ◆ Real-time troubleshooting

## Modules

Module	wavelength(nm)	Dynamic Range(dB)	Event/Attenuation Dead Zone (m)
X-2100-S-A28	1310/1550	28/26	0.8/4
X-2100-S-A32	1310/1550	32/30	0.8/4
X-2100S-A35	1310/1550	35/33	0.8/4
X-2100-S-A37	1310/1550	37/35	0.8/4
X-2100-S-A40	1310/1550	40/38	0.8/4
X-2100-S-A42	1310/1550	42/40	0.8/4
X-2100-S-B26	1625	26	0.8/4
X-2100-S-B32	1625	32	0.8/4
X-2100-S-C26	1650	26	0.8/4
X-2100-S-C32	1650	32	0.8/4
X-2100-S-AB32	1310/1550/1625	32/30/28	0.8/4
X-2100-S-AB35	1310/1550/1625	35/33/32	0.8/4
X-2100-S-AB38	1310/1550/1625	38/36/35	0.8/4
X-2100-S-AC35	1310/1550/1650	35/33/32	0.8/4
X-2100-S-AB40	1310/1550/1625	40/38/37	0.8/4
X-2100-S-AC40	1310/1550/1650	40/38/37	0.8/4
X-2100-S-AB42	1310/1550/1625	42/40/38	0.8/4
X-2100-S-AC42	1310/1550/1650	42/40/38	0.8/4
X-2100-S-AP35	1310/1550/1490	35/33/32	0.8/4
X-2100-S-AP38	1310/1550/1490	38/36/35	0.8/4
X-2100-M26	850/1300	22/26	1.2/5
X-2100-SM32	850/1300/1310/1550	22/26/32/30	SM: 0.8/4 MM: 1.2/5
X-2100-SM35	850/1300/1310/1550	22/26/35/33	SM: 0.8/4 MM: 1.2/5
X-2100-SM40	850/1300/1310/1550	22/26/40/38	SM: 0.8/4 MM: 1.2/5

For more modules, welcome to contact us! We could offer OEM for you.

# X-2100 Multifunction OTDR

## General Specifications

Display	5.6 inch TFT-LCD (touch screen ) 640*480
Battery	7.4V/2500mAh X 2 lithium battery (with air traffic certification), Continuously test: 8 hours (back light off), Charging time: 3 hours
Power Adapter	Power supply AC/DC adapter, input 100-250V AC, 50-60 Hz, 3 A max, Output 12 V DC. 35W
Data Storage	100,000 groups of curves
Interface	USB A Type×1, Micro-USB×1)
Working Temp	-10℃~+50℃
Storage Temp	-20℃~+70℃
Humidity	≤95% (non-condensation)
Dimension	215×155×68mm / 1.1kg (battery included)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, carrying case, wrist belt

## Technical Specifications

Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs
Testing Distance	500m, 1km, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 200km, 240km
Sampling Resolution	Minimum 5cm
Sampling Point	Maximum 256,000 points
Linearity	≤0.05dB/dB
scale Indication	X axis: 4~70m/div, Y axis: 0.09~5dB/div
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10 <sup>-5</sup> +sampling resolution) (excluding IOR uncertainty)
Refractivity Setting	1.2000~1.5999, 0.0001 step

## Optional Modules

Module	Parameter	Note
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VFL	1-20mW	10mW in default
OPM	Option A: -10dBm~-70dBm; Option B: +23dBm~-50dBm	Option A in default
Laser source	Output: -5dBm±2dB, Frequency: CW/270Hz/1KHz/2KHz	