

|| X-2100 Multi-function OTDR



FEATURES

- ※ Various wavelength and dynamic ranges are available
- ※ Maximum sampling resolution: 5cm
- ※ With VFL, power meter, laser source, event map etc.
- ※ User friendly GUI design, easy to operate
- ※ Excellent for short-range measurement, dead zone: 0.8m/4m
- ※ Touch-sensitive and solid physical button work together for perfect user experience
- ※ Support multiple analysis functions on testing results: segment return loss event point return loss, multi curves comparison, quick screen shots.

APPLICATIONS

- ※ CATV network testing
- ※ Access network testing
- ※ LAN/WAN network testing
- ※ Metro network testing
- ※ Lab and factory testing
- ※ Real-time trouble shooting

|| General Specifications

| | |
|---------------|---|
| Display | 5.6 inch TFT-LCD(touch screen) 640x480 |
| Battery | 7.4V/2500mAh lithium battery x2, Continuously test: 8 hrs(back light off), Charging time: 3 hrs |
| Power Adapter | Power supply: Input: 100~250V AC, 50-60 Hz; 3A max; Output: 12V DC; Power: 35W |
| Data Storage | 16G SD card, 100,000 groups of data |
| Interface | USB A Typex1, Micro-USBx1 |
| Working Temp | -10°C~+50°C |
| Storage Temp | -20°C~+70°C |
| Humidity | ≤95%(non-condensation) |
| Dimension | 215x155x68mm/1.1kg(with battery) |
| Package | X-2100 OTDR; power cord; power adapter; FC, SC adapter; Lithium battery; USB cable; SD card; user guide;carrying bag; wrist belt; touch screen pen |

|| 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 ⁻⁵ +sampling resolution)(excluding IOR uncertainty) |
| Refractive Setting | 1.2000~1.5999, 0.0001step |

Specifications and descriptions are subject to change without prior notice.

Other Functional Modules

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

Models

| Model Number | 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-2100-S-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-B28 | 1625 | 28 | 0.8/4 |
| X-2100-S-B32 | 1625 | 32 | 0.8/4 |
| X-2100-S-B35 | 1625 | 35 | 0.8/4 |
| X-2100-S-B38 | 1625 | 38 | 0.8/4 |
| X-2100-S-C26 | 1650 | 26 | 0.8/4 |
| X-2100-S-C32 | 1650 | 32 | 0.8/4 |
| X-2100-S-C35 | 1650 | 35 | 0.8/4 |
| X-2100-S-C38 | 1650 | 38 | 0.8/4 |
| X-2100-S-AB32 | 1310/1550/1625 | 32/30/30 | 0.8/4 |
| X-2100-S-AB35 | 1310/1550/1625 | 35/33/32 | 0.8/4 |
| X-2100-S-AB37 | 1310/1550/1625 | 37/35/34 | 0.8/4 |
| X-2100-S-AB40 | 1310/1550/1625 | 40/38/37 | 0.8/4 |
| X-2100-S-AB42 | 1310/1550/1625 | 42/40/38 | 0.8/4 |
| X-2100-S-AC32 | 1310/1550/1650 | 32/30/30 | 0.8/4 |
| X-2100-S-AC35 | 1310/1550/1650 | 35/33/32 | 0.8/4 |
| X-2100-S-AC37 | 1310/1550/1650 | 37/35/35 | 0.8/4 |
| X-2100-S-AC40 | 1310/1550/1650 | 40/38/37 | 0.8/4 |
| X-2100-S-AC42 | 1310/1550/1650 | 42/40/38 | 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 |
| X-2100-S-AP35 | 1310/1490/1550 | 35/33/33 | 0.8/4 |