

Optical Time Domain Reflectometer | S2106X | S2106



Mid Range

S2106X & S2106 Series of advanced OTDRs equipped with a large color touchscreen LCD display and user friendly UI, are the perfect instruments for any fiber technician who wants to do multiple tests and come to faster conclusions in fiber testing and measurement. With a higher operating speed compared to S2106 series, 20hr standby time & multi-function capability, the S2106X is the latest generation OTDR better user experience. The usual application areas are FTTX tests, lab & factory tests, live fiber troubleshooting and in CATV/LAN/Metro/ Access Network Test.



7 Function Modules

Meet all your test



iOLM

Intelligent optical link Mapper



Signal Detection

effective protection of APD



SOR Batch Processing

data fast processing



Features:

- 5 standard function modules- **OTDR, Light Source (LS), Optical Power Meter (OPM), Visual Fault Locator (VFL), Intelligent Optical Link Mapping (iOLM)**
- 2 Optional modules - **Optical Fiber End Face Detection (OFD) & Optical Loss Test (OLT)**
- Dynamic Range up to 45 dB, <1m ultra-short event blind zone, fiber jumper free
- One button automatic test and real time test, Multiple wavelength simultaneous testing
- Unique **self-diagnosis function** on test result
- Internal 8GB storage, 2 USB ports. Remote control through Ethernet interface
- S2106X 7" color touch-screen display; S2106 : 5.6"
- **Dual operation mode**- Touch screen or touch button
- Rugged IP65 protection level, water & dust proof, 1.5m drop tested

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Matrix:

Module Options	S2106-S1	S2106-S2	S2106X-S1
Type of fiber	Single Mode		
Dynamic Range	35/33dB	38/36dB	35/33dB
LCD Touch-screen Display	5.6"		7"
Wavelength	1310&1550 nm		
Event Dead Zone (EDZ)	1m	0.8m	1m
Attenuation Dead Zone (ADZ)	6m		
Distance Range	0.5/1/2/4/8/16/32/64/128/256km		
Pulse Width	5ns~20000ns		3ns ~ 20000ns
Distance Accuracy	$\pm(0.75m + \text{Sampling interval} + 0.005\% \times \text{test distance})$		
Loss Resolution (dB)	0.001		
Loss Threshold (dB)	0.01		
Sampling Points	Upto 256000		
Refractive Index	1.4000 to 1.5999		
Software Output	.Sor, .Pdf		
Built in Optical light source	Yes, same as OTDR wavelengths, Power $\geq -5\text{dBm}$; CW, Stability $\pm 0.5\text{dB}/15\text{min}$, CW FC/UPC		
Built in Visual fault locator	Yes, On separate port, Power:10mW, Wavelength : 650nm, Modes: CW/ 1Hz/ 2Hz CW FC/UPC		
Built in Optical power meter	Yes, range +26 to -50 dBm , on separate port, with calibration wavelengths 850/980/1300/1310/1490/1550/1625/1650nm		
Event Map (iOLM)	Yes, Intelligent optical network map		
Optical Loss Test (OLT)	Yes		
Internal Data storage	100M (≤ 3000 curves)		8GB
External Data storage	4GB		
Output Ports/ Interface	USB, Mini USB, 10M/100M Ethernet		2 USB ports, Mini USB, 10M/100M Ethernet
Battery	7.4V / 5200mAh Lithium battery, Max. 20 hours working time		
Power Supply	AC/DC adapter: Input: 100V - 240V, 50 / 60Hz, 0.6A; Output: 12V - 19V, 1.5A		
Operating Temperature	Operating Temperature: -10 to + 50 °C / Storage: -40 to +70 °C		
Size/ Weight	227 mm x 160 mm x 70mm / $\leq 1.2\text{kg}$		
Optional Add on : Optical fiber end detection probe (for OFD function)	SFED-01 (To be selected separately) Can be used with OTDR or with a laptop		



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Quality
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System



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