

## OPTiSmart SM01 - 1310/1550 OTDR



### DIAGRAM & DESCRIPTION

SM01-1310/1550 handheld OTDR is a new generation of intelligent optical measuring instrument designed for the optical fiber communication system testing by OPTiFab.

This product is mainly used to measure the parameters of optical fibers and cables, such as length, loss, and connection quality, etc.; it can realize the accurate positioning of event points and fault points, and can be widely used in the construction, maintenance testing and emergency repair of the optical fiber communication systems as well as the research, production and production measurement of optical fibers and cables and so on. This product can provide you with the highest performance of solutions for installation and construction of fiber optic network construction and the subsequent fast and efficient maintenance and troubleshooting testing.

### STANDARD PACKAGES

**Model - SM01-1310/1550**

**Includes -** SM01-1310/1550 Main Body, Power cable, Power Adapter, Manual, U disk, Touchpen, Bag and the Certificate.

### SPECIFICATIONS

Model	SM01-1310/1550
Type of optical fiber	Single mode
Center wavelength	1310nm/1550nm ±20nm
Maximum dynamic range (dB)	30/28
Event blind zone	1.5m
Attenuation blind zone	10m
Display type	3.5inch, color LCD, touch screen operation
Optical interface	FC/UPC (Interchangeable SC, ST)
Test range (dB)	500m, 1km, 2km, 4km, 8km, 16km, 32km, 64km, 128km
Pulse width	10, 30, 50, 100, 275, 500, 1000, 5000, 10000ns
Range accuracy	± (1m + sampling interval + 0.005% × distance)
Attenuation measurement accuracy	±0.05 dB/dB
Reflection measurement accuracy	±4dB
Data storage	≥ 1000 test curves
Communication interface	USB
<b>Visible red light source</b>	
Output power	≥ 2mW
Test distance	≥ 5 km
<b>Environmental adaptability</b>	
Power supply mode	AC / DC adapter: AC: 100V ~ 240V (1.5A), 50/60Hz DC: 18V to 20V (2A), Internal lithium-ion battery pack: 7.4V, 4400mAh
Battery operation time	≥ 10hours
Operating temperature	-5°C ~ 50°C
Storage temperature	-20°C ~ 70°C
Relative humidity	0 ~ 95% , no condensation
Weight	≤ 1kg
Volume	208mm × 110mm × 56mm