



iFIBER
FIBERİNİZİ CANLANDIRIYORUZ

iFiber iF-8800 OTDR

Features



iF-8800 series high-performance OTDR adopts 7-inch color screen, which makes the operation easier. It integrates 7 functions to help customers solve the communication link field test and later maintenance more effectively. The maximum dynamic range is 45dB. It can be penetrated through the light splitter to effectively improve the performance in PON network test.

iF-8800 series are mainly used to measure the length, loss and connection quality of optical fiber and cable. It is widely used in engineering construction, line maintenance test, emergency repair, development and production measurement of optical fiber and optical cable. It is mainly used in urban trunk line, backbone network and metropolitan area network.

- * 0.8m event blind area, easy to test 5m jumper
- * Detection of Live Fiber, automatic alarm with light
- * Batch processing of data, printing report forms
- * Full Touch screen operation mode
- * Multi wavelengths simultaneous test
- * Integrate OTDR/VFL/LS/OPM/Event Map/Loss Test/EndFaceDisplay
- * Supports SM/MM/SM+MM test
- * Standard SOR file output format
- * Menu in Turkish and English

Working Temperature



-10C+50C

Humidity



0~95%

iFiber iF-8800 OTDR Technical Specifications

OTDR									
Model	iF-8800-SM35	iF-8800-SM38	iF-8800-SM42	iF-8800-SM45	iF-8800-FTTH-1	iF-8800-LIVE	iF-8800-FTTH-2	iF-8800-MM28	iF-8800-QM
Type	SM							MM	SM/MM
Wavelength (nm)	1310 / 1550				1310/1490/1550	1310/1550/1625	1310/1490/1550/1625	850/1300	850/1300 1310/1550
Max Dynamic Range (dB)	35/33	38/36	42/40	45/43	37/35/35	37/35/35	37/35/35/35	28/26	28/26/35/33
Event Blind Zone	1m	0.8m	0.8m	0.8m	0.8m	0.8m	0.8m	1m	1m
ATT Blind Zone	6m	6m	6m	6m	6m	6m	6m	6m	6m
Test Range	500m/1km/2km/8km/16km/32km/64km/128km/256km								
Pulse Width	3ns/5ns10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns								
Ranging Accuracy	$\pm(0.75m+\text{sample interval}+0.005\% \text{ *Test distance})$								
Loss Accuracy	$\pm 0.05\text{dB/dB}$								
Sample Points	16k~256k								
Sample Resolution	0.05m~16m								
Reflection Accuracy	$\pm 3\text{dB}$								
File Format	SOR standard file format								
Loss Analysis	4-point method/5-point method								
Laser Safety Level	Class II								
Refresh Rate	3Hz(Typ.)								
Data Storage	Internal storage: 200,000 curves, External storage: 4GB								
Connector	FC/UPC (Interchangeable SC/ST)								
Data Interface	USB, Mini-USB, 10M/100M Ethernet Port								
OPM (Optical Power Meter)									
Wavelength Range	800nm~1700nm								
Connector	Universal FC/SC/ST								
Test Scope	-50dBm~+26dBm								
Uncertainty	$\pm 5\%$								
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm								
LS (Light Source)									
Wavelength	Consistent with OTDR output wavelength								
Output Power	$\geq -5\text{dBm}$								
Stability	CW, $\pm 0.5\text{dB}/15\text{min}$ (Test after 15 minutes of preheating)								
Connector	FC/UPC (Interchangeable SC/ST)								
VFL (Visual Fault Locator)									
Wavelength	$650\text{nm}\pm 20\text{nm}$								
Output Power	$\geq 10\text{mW}$								
Mode	CW/1Hz/2Hz								
Connector	FC/UPC (Interchangeable SC/ST)								
<i>The Optical Loss Test Index refers to the above light source and optical power meter index.</i>									
Other Features									
Display	7 inch color LCD + touch screen								
Power Supply	AC/DC adapter, Input: 100V~240V, 50/60Hz, 0.6A, Output: 12V~19V, 1.5A, Lithium battery, 7.4V, 5200mAh								
Working Temperature	-10C~+50C								
Storage Teperature	-40C~+70C								
Relative Humidity	0~95% Non Condensing								
Weight	$\leq 1.2\text{kg}$								
Size	227mm*160mm*70mm								
Function of Host: OTDR/OPM/VFL/LS/Event Map/Fiber End Detection (Additional purchase detector)/Optical Loss Test									

iFiber iF-8800 OTDR Set Contents

No.	Name	Quantity
1	iF-8800 model OTDR	1
2	AC/DC power adapter	1
3	USB Flash Disk (Contains OTDR analysis software & User manual)	1
4	USB Patchcord	1
5	OTDR SC adapter	1
6	OPM SC adapter	1
7	Touchpen	1
8	Calibration certificate	1
9	Warranty card	1
10	Cotton Cleaner Sticks	10
11	OTDR Hand strap	1
12	Instrument backpack with Strap	1



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