Technical specifications

GLK6800 SERIES OTDR

Model	S1	S2	D0	D1	D2	D3	D4	T1	T2	T3	T4	F1	M1	SM1
Type	SM												MM	SM/MM
Wavelength	1650nm		1310/1550nm					1310nm/1490nm/1550nm	1310nm/1550nm/1625nm		1310nm/1550nm/1650nm	1310nm/1490nm/1550nm/1625nm	850nm/1300nm	850nm/1300nm/1310nm/1550nm
MaxDynamicRange(dB)	33	38	32/30	35/33	38/36	42/40	45/43	38/36/36	32/30/30	42/40/40	42/40/40	37/35/35/35	26/28	26/28/35/33
Event Blind Zone[a]	1m	1m	1m	1m	1m	0.8m	0.8m	0.8m	1m	1m	0.8m	0.8m	1m	1m
ATT Blind zone[b]	5m	5m	5m	5m	5m	4m	4m	4m	5m	5m	4m	4m	5m	5m

Parameter	Value
Test Range	100m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us
Ranging accuracy[c]	±（0.75m+ Sample interval +0.005%×Test distance)
Loss accuracy	±0.001dB
Max Sample Points	≥256k
Sample Resolution	0.05m~4m
Reflection Accuracy	0.03dB/dB
File Format	SOR Standard File Format
Loss Analysis	4-point method /5-point method
Laser Safety Level	Class II
Data Storage	≥12GB
Connector	FC/UPC（Interchangeable SC、ST)

OPM

Parameter	Value
Wavelength range	800nm~1700nm
Connector	Universal FC/SC/ST
Test scope	-50dBm~+26dBm（标配）/-70dBm~+10dBm
Uncertainty	±5%
Calibration wavelength	850nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm

LS

Parameter	Value
Wavelength	Consistent with OTDR output wavelength
Output power[d]	≥-5dBm
Stability	CW，±0.5dB/15min（Test after 15 minutes of preheating)
Connector	FC/UPC（Interchangeable SC、ST)

VFL

Parameter	Value
Wavelength	650nm±20nm
output power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC（Interchangeable SC、ST)

The Optical Loss Test index refers to the above light source and optical power meter index.

Others

Parameter	Value
Display	7 inch color touch screen, resolution 1024X600
Power supply	AC/DC adapter：Input：100V～240V，50/60Hz，0.6A，Output：12V~19V，1.5A，Lithium battery：7.4V，5200mAh
working mperature	-10℃～+50℃
Storage temperature	-40℃～+70℃
relative humidity	0～95%，Non Condensing
Weight	≤1.2kg
Size	227mm×160mm×70mm
Data interface	USB-A x 2, Type-C port, RJ45 LAN 100/1000Mbit/s
Power dissipation	≤6W
Functions of Host:	OTDR/OPM/VFL/LS/Event Map/Fiber End Detection /Ethernet Remote/Network test

Note：
a. Using 3ns pulses, the reflection coefficient is typical of -35dB to -55dB.
b. Using a 3ns pulse, the reflection coefficient is a typical value of -55dB (1310nm).
c. Uncertainties caused by the refractive index of light are not included.
d. The output power of the MM 850/1300nm light source is about -24dBm, and the output power of the special 1650nm (38dB) light source is about -24dBm.

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	
2	AC/DC power adapter	1	
3	U disk (containing analysis software/ User's Manual)	1	
4	Data line	1	
5	OTDR SC adapter	1	
6	OPM SC adapter	1	

NO.	Name	Quantity	Remarks
7	User's Manual	1	
8	Calibration certification	1	
9	Certificate/ Warranty card	1	
10	Clean cotton piece	10	
11	Leather knob	1	
12	Special backpack for instrument	1	

GLK6800 OTDR

Product overview

GLK6800Series high-performance OTDR adopts 7-inch screen, which makes the operation easier. It integrates multifunction 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.

This OTDR is 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.

Product features

- Quad-core processor, Linux system, smooth control
- HD multi-touch capacitive screen, resolution 1024X600
- The min event blind area is 0.8m, the max dynamic range is 45dB
- PON network splitter test, up to 1/64 support
- Large storage capacity, internal storage >12GB
- Standard SOR file output format
- Generate PDF test and diagnosis report with one click
- The file name can be output in both Chinese and English
- Integrate OTDR/VFL/LS/OPM/Event Map/Loss Test/End Face Identifie/Ethernet Remote/Network test

7 inch screen — Human-computer interaction enrichment

Detection of online test — Caution function

Support Chinese and English input

Report printing — Files batch processing

Multi wavelength simultaneous test — Results automatic analysis