



# GLK4500

## Optical Time Domain Reflectometer

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This series of OTDR is a multi-functional optical measuring instrument, which integrates OTDR, event map, optical power meter, visual fault location, light source, optical loss test, cable line length / sequence test, cable tracking and other functions. It has touch screen and keys. It is the right assistant for optical cable construction, installation and maintenance, project acceptance and on-site repair.



High-performance cpu,  
fast speed, smooth operation



Support dual-wavelength test  
Measurable macro bending



Small blind area, Short  
fiber test results are good



Support transmitting optical  
fiber, End fiber setup



OT curve list is displayed  
in full screen



Multiple sampling points  
high accuracy

# OTDR



Transmitting fiber, End fiber



Dual wavelength test



Short fiber test

## Technical Specifications

OTDR								
Model	GLK4500-D1	GLK4500-D2	GLK4500-F1	GLK4500-F2	GLK4500-P1F1	GLK4500-P1F2	GLK4500-P2F2	GLK4500-M1
Type	SM							MM
Wavelength (±20nm)	1310/1550	1310/1550	1550	1610	1625	1625	1650	850/1300
Dynamic Range	26/24dB	30/28dB	24dB	24dB	26dB	30dB	30dB	22/24dB
Event Blind Zone	1.5m	1.5m	1.5m	1.5m	1.5m	1.5m	1.5m	1.5m
ATT Blind Zone	8m	8m	8m	8m	8m	8m	8m	8m
Distance range	0.1/0.3/0.5/1.25/2.5/5/10/20/40/80/125/260km							
Distance unit	km, mi, kft							
Pulse Width	5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us							
Ranging Accuracy	± (0.75m+Sample interval+0.0025%× Test distance)							
Loss Threshold	0.001dB							
Linearity	±0.03dB/dB							
Sample Points	≥160k							
Sample Resolution	0.015m~16m							
File Format	SOR Standard File Format							
Loss Analysis	4-point method /5-point method							
Laser Safety Level	Class II							
Connector	FC/UPC ((InterchangeableSC, ST, LC)							

LS	
Wavelength	Consistent with OTDR
Power <sup>①</sup>	≥-5dBm
Mode	CW/270Hz/1kHz/2kHz
Laser level	CLASS 1M
Optical output port	OTDR port

RJ45 Cable Tracker	
Distance	300m

RJ45 Cable Length	
Distance	300m

Notes: ①Except for special wavelengths such as 850/1300nm.

VFL	
Wavelength	650±20
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Laser Safety Level	Class 3R
Connector	Universal optical interface (2.5mm)

OPM	
Calibration Wave	850/980/1300/1310/1490/1550/1625/1650nm
Test Range	-50dBm~-26dBm
Uncertainty	±5%

LED flashlight	
Others	
Display	4.3colourTFT LCD WVGA(Multi touch capacitive touch screen) resolving power: 800*480pixel
Data Interface	Type-C, RJ45×2 LAN 10M/100M bit/s
Data Storage	Storage: 8GB (≥20000curves) File Format: SOR
Size	173×109×45mm
Weight	≤0.5kg
environment condition	Working Temperature: -10°C~+50°C
	Storage Temperature: -40°C~+70°C
	Relative Humidity: 0~95%Non Condensing
	Altitude: 4000m or less
Power requirements	DC USB power supply (Type-C) 5V±10%, maximum2A
Battery type capacity	Type: polymer lithium-ion battery, 5000mAh
	Charging time: 4 hours (typical value)
safety standards	EN61010-1
Laser safety	IEC/EN 60825-1:2007 GB7247.1-2012
EMC	Radiation standard: EN61326-1 Class A
	Immunity: EN61326-1 Table2
language	Customizable in Chinese, English and other languages

Function configuration: OTDR, event map, OPM, VFL, LS, optical loss test, RJ45 cable tracker, RJ45 cable sequence, RJ45 cable length test, flashlight.