NK5600 Multi Functional Optical Time Domain Reflectometer
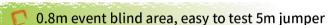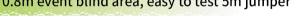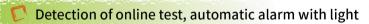
Product overview

NK5600 multi-functional OTDR adopts 5.6 inch color touch screen and double operation of keys and touch. It integrates of OTDR, Visual Fault Location, Event Map, Optical Power Meter, Light Source, multi-functions to help customers efficiently solve the field test and maintenance; Intelligent power management, 20 hours of super long standby, efficient guarantee of field test and maintenance.
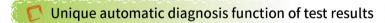
It is mainly used to measure the length, loss, connection quality and other parameters of all kinds of optical fiber and cable. It can be widely used in engineering construction, line maintenance test and emergency repair of communication system of optical fiber communication system, research and production measurement of optical fiber cable.
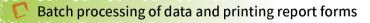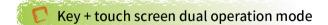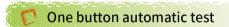
Product features

- 0.8m event blind area, easy to test 5m jumper
- Detection of online test, automatic alarm with light
- Unique automatic diagnosis function of test results
- Batch processing of data and printing report forms
- Key + touch screen dual operation mode

- One button automatic test
- Standard SOR file output format
- Multi wavelengths simultaneous test
- Nomenclature in Chinese and English
- Ultra wide operating temperature

5.6 inch screen	Detection of online tes	10h	One button automatic test	Report printing
Key + touch operation mode	Caution function	10 hours long endurance Long time outdoor construction	Results automatic analysis	Files batch processing

OTDR Series

Basic Instrument Series

Modular Test Equipment

Fber Health Monitor System

NK5600 Technical specifications

OTDR	
Fiber Type	G.652
Wavelength	1310nm±20nm/1550nm±20nm
Dynamic Range	32dB/30dB
Event Blind Zone	1m
ATT Blind Zone	6m
Test Range	500m/1km/2km/4km/8km/16km/32km/64km/128km/256km
Pulse Width	5ns/10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns
Ranging accuracy	±（0.75m+ Sample interval +0.005%×Test distance）
Loss accuracy	±0.05dB/dB
Sampling Points	16k~256k
Sampling resolution	0.05m~16m
Reflection accuracy	±3dB
File format	SOR Standard file format
Loss Analysis	4-point method /5-point method
Laser Safety Level	Class II
Data Storage	Internal：≤3000 curves；External：4G bit
Connector	FC/UPC（Interchangeable SC、ST）
Refresh Rate	3Hz（Typ.）
Data Interface	USB、Mini-USB、10M/100M Ethernet port
OPM	
Wavelength range	800nm~1700nm
Connector	Universal FC/SC/ST
Test scope	-50dBm～+26dBm
Uncertainty	±5%
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm
LS	
Wavelength	Consistent with OTDR output wavelength
Output power	≥-5dBm
Stability	CW，±0.5dB/15min（Test after 15 minutes of boot-up preheating）
Connector	FC/UPC（Interchangeable SC、ST）
VFL	
Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
Others	
Display	5 inch Color LCD + Touch Screen
Power Supply	AC/DC Adapter：Input：100V～240V，50/60Hz，0.6A Output：12V~19V，1.5A，Li-Battery：7.4V，5200mAh
Battery working hours	≥10h
Operating Temperature	-10°C～+50°C
Storage Temperature	-40°C～+70°C
Relative Humidity	0～95%Non Condensing
Weight	≤1.2kg
Size	208mm×110mm×56mm

Functions of Host：OTDR/OPM/VFL/LS/Event Map/Fiber End Detection (Additional purchase detector) /Optical Loss Test

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	Touch pen	1	
5	Data line	1	
6	OTDR SC adapter	1	

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

OTDR Series

Basic Instrument Series

Modular Test Equipment

Fber Health Monitor System