NovKer

NK504   10G PON Network State Tester

Product overview

With the popularity of FTTH and the blowout development of optical network terminals, especially in the last one kilometer of FTTx, operators need to check the occupation of free resources on optical ports to reduce the waste of port resources. However, this kind of manual checking is extremely complicated, inefficient, and will bring huge trouble to users.

NK502 10G PON terminal state tester can intelligently check the resource state of optical network terminal and intelligently analyze the ONT and PON in 10G PON network without maintenance personnel entering the user's home OLT status, integrated with PON OPM, VFL, RJ45 cable sequence/length and cable tracking, is an all-round helper in the field of current PON network maintenance and terminal resource inventory.
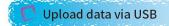
Product features

Intelligently check the occupation or idle state of optical network terminal

Intelligently judge the status of the optical fiber cat: turned off, the end of the optical fiber is disconnected, and the optical fiber connector falls off

The user-defined threshold value can be stored for testing

Support PON optical power meter and VFL

Pass/Fail threshold and calibration wave can be set

Upload data via USB

320*480 color LCD
Display effect more delicate

6 function integration
Meet diversified requirements

1000 data saved
Export to computer via data cable

4000mAh lithium battery
Portable battery charging

Environmental adaptability
- 10℃~+50℃

OTDR Series

Basic Instrument Series

Modular Test Equipment

Fber Health Monitor System

Concentrative, Dedicated, Professional

NK504 Technical specifications

10G PON Terminal state tester	
PON terminal state detection	Online, broken fiber, terminal failure, large terminal loss, ONT no power, optical cat not inserted
Insert Loss	≤1.5dB
Connector	FC/UPC (APC optional)
PON OPM	
1310nm(upstream)	-35dBm~+10dBm
1490nm(down)	-40dBm~+12dBm
1550nm(down)	-40dBm~+12dBm
Calibration wavelength	1310nm/1490nm/1577nm
Unit	m/μ/nW/dBm/dB(REF)
Power accuracy	±0.5dB
Power resolution	0.01dB
VFL	
Wavelength	650nm±20nm
Output power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
RJ45 Cable length/ Sequence/Tracking	
Range	≤300m
Others	
Display	3.5 inches TFT LCD，320*480
Interface	Micro USB
Storage	1000
Power supply	Li battery：3.7V/4000mAh，Adapter：5VDC/2A
Battery life	Standby＞20h，Measure＞12h
Working temperature	-10℃～+50℃
Storage temperature	-40℃～+70℃
Relative humidity	0～95%，No condensation
Dimensions	173mm×82mm×37mm
Weight	≤350g

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	including battery
2	Power adapter	1	
3	User's Manual	1	
4	FC / UPC to SC / UPC jumper	2	

NO.	Name	Quantity	Remarks
5	RJ45 Tracker	1	
6	Data Line	1	
7	Backpack	1	
8	Qualification Certificate/After-sales Service Guarantee Card	1	