

### NK502 PON Network State Tester

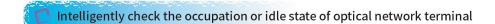


### **Product overview**

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 PON terminal state tester can intelligently check the resource state of optical network terminal and intelligently analyze the ONT and PON in 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**

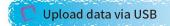


Intelligently judge the status of the optical fiber cat: turned off, the end of the optical fiber is disconnected, and the optical fiber connector falls off

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





320\*480 color LCD Display effect more delicate







4000mAh lithium battery Portable battery charging



Environmental adaptability - 10°C~+50°C

Modular Test Equipment

# Fber Health Monitor System

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## NK502 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)				
1310nm(upstream)	-35dBm~+10dBm				
1490nm(down)	-40dBm~+12dBm				
1550nm(down)	-40dBm~+25dBm				
Calibration wavelength	1310nm/1490nm/1550nm				
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				
R	J45 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					
Battery life	Standby>20h, Measure>12h				
Working temperature	Working temperature -10°C∼+50°C				
Storage temperature	Storage temperature -40°C~+70°C				
Relative humidity	Relative humidity 0~95%, No condensation				
Dimensions	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	