Your Test Expert
NOVKER

NK4300 Mini Pro OTDR

Product overview

NK4300 series OTDR adopts 4.3-inch capacitive touch screen. Integration OTDR, event map, OPM, RJ45 cable tracker. OTDR has a maximum dynamic range of 30dB, 8G memory, and can store more than 200,000 curves; it is equipped with high-density polymer lithium battery, intelligent power saving management, measuring time of more than 8 hours, and supporting power supply and charging of the power bank. The whole machine is matched with powerful internal analysis software, which can provide accurate data services for terminal testers.

NK4300 series are used to measure the length, loss, connection quality and other parameters of optical fiber. It is widely used in FTTX, secondary backbone network engineering construction, maintenance and emergency repair test, and production measurement of optical fiber and cable.

Product features

- Button + 4.3-inch full touch screen control, resolution 800X480
- Event blind area ⩽1.5m, maximum dynamic range ⩾30dB
- Start fiber, end fiber, pass/fail settings and judgments
- Dual wavelength test, curve contrast test
- Single multimode integration and three-wave OTDR expansion
- Support XGPON OPM, 1490/1577nm Power is accurately measured simultaneously
- OTDR, event map, OPM, LS, VFL, RJ45 Test, Microscope, flashlight,Insert loss test
- Bluetooth communication, support mobile APP wireless control and data sharing
- RJ45 cable track and sequence

Multi-touch
Support gesture
zoom in and out curve

Microscope
HD imaging

Insertion loss test

File management
Computer level
management

12h standby
Ultra wide
operating temperature

NK4300 Technical specifications

NK4300-T(live test)

OTDR							
Model	F1(live test)	F2(live test)	F3(live test)	F4(live test)	D1	D2	T1
Type	G.652 SM						
Wavelength	1550nm±20nm	1610±20nm	1625nm±20nm	1650nm±20nm	1310/1550nm±20nm	1310/1550nm±20nm	1310/1550/1625nm±20nm
Dynamic Range	24dB	24dB	24dB	24dB	26/24dB	30/28dB	26/24/24dB
Event Blind Zone	1.5m						
ATT Blind Zone	8m						
Test Range	0.1km/0.3km/0.5km/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km						
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us						
Ranging Accuracy	±(1m+Sample interval+0.005%×Test distance)						
Linearity	⩽0.05dB/dB						
Max Sample Points	⩾160k						
Sample Resolution	0.03m~16m						
Loss Resolution	0.001dB						
Loss Threshold	0.20dB						
Range Resolution	0.001m						
Refractive Index	1.00000~2.00000						
File Format	SOR Standard File Format						
Loss Analysis	4-point method /5-point method						
Connector	FC/UPC (Interchangeable SC、ST)						
Refresh Rate	3Hz (Typ.)						

OPM	
Wave Range	800nm~1700nm
Calibration Wave	850/1270/1300/1310/1490/1550/1557/1625/1650nm
Test Range	-70~+6dBm(Optional)/-50~+26dBm(Standard)/-40~+26dBm(XGPON)
Resolution	0.01dB
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz
Connector	Universal FC/SC/ST

VFL	
Wavelength	650nm±20nm
Output Power	⩾10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC、ST)

LS	
Wavelength	Consistent with OTDR
Power	⩾-5dBm
Stability	CW, ±0.5dB/15min (After15min of preheating)
Connector	Consistent with the OTDR interface
Mode	CW/270Hz/330Hz/1kHz/2kHz

Optical Loss Test	
Wavelength	Consistent with LS
IL Test	Support

RJ45 Cable Tracking	
Mode	Digital tracking
Distance	⩽300m
Online/Line Pair Tracking	Support

RJ45 Cable Length	
Test Distance	⩽300m

Others	
Display	4.3 inches 800×480 IPS TFT - LCD Multi touch capacitive touch screen
Power Supply	AC/DCadapter:input:100V~240V, 50/60Hz, 0.6A output:5V, 2A, Lithium battery:3.7V, ⩾5000mAh
Data Storage	8GB, ⩾200,000 curves
Data Interface	USB Type C
Working Temperature	-10℃~+50℃
Storage Temperature	-40℃~+70℃
Relative Humidity	0~95% Non Condensing
Weight	⩽0.6kg (Battery included)
Size	189mm×115mm×43mm

Standard configuration:OTDR, Event Map, OPM, LS, VFL,Insertion loss test, Flashlight,RJ45 Cable Tracking(Standard digital line finder), RJ45 Cable Sequence, RJ45 Cable Length, Microscope(Optional),

Note:NK4300-F1 can test fiber with 1490/1550nm signal (power ⩽0dBm)
NK4300-F2 can test fiber with 1310/1490/1577nm signal (power ⩽+5dBm)
NK4300-T can test fiber with 1310/1490/1550nm signal (power ⩽0dBm)

Configuration list

Host(Battery included), Adapter, Data Line, 8G TF card(built-in OTDR, Analysis software/User's Manual), User's Manual, SC adapter, Cable Tracker&Remote end, Qualification Certificate/ Service Guarantee Card, Calibration Certificate,Cleaning cotton swabs, Instrument Backpack