

# NK6000 OTDR



NK6000 series optical time domain reflectometer is a new generation of portable and intelligent measuring instrument designed by AVES Communication Technology for testing optical fiber communication system. Adopt 5.8 inch color touch screen, button/ touch dual operation; Internal integration of eight major functional modules, multi-functional integration to help customers effectively solve the field test and maintenance; The highest 45 dB dynamic range, can penetrate optical splitter, effective PON network testing; Intelligent power-saving management, 20 hours long standby, efficient protection of test dimension Continuous

## Applications

It is mainly used to measure the length, loss and connection quality of all kinds of optical fibers and cables, and can be widely used in engineering construction, line maintenance and testing, emergency repair, and the development and production of optical fibers and cables.

## Features

- High performance test

5.8 inch color TFTLCD display,  
touch/ key dual operation  
Dynamic range: 35/33dB  
Less than 0.8 meters ultra

short event blind area  
testing optical fiber jumper freely..  
Link optical nondestructive testing  
Signal optical detection function  
(Effective protection of APD)

- Multifunctional test - Standard configuration

OTDR.

Stable laser source

Visual red light fault location (VFL)

Optical power meter (OPM)

- Multifunctional test - high configuration

Intelligent Optical Link Mapper [iOLM]

Optical fiber end face detection

Optical loss test

Fault location

- Convenient operation

One key automatic test

unique diagnostic function for test

Multi wavelength simultaneous testing function

Ethernet Remote control

- Convenient data processing

English and Chinese input function

Automatic data storage

SOR Batch processing

Remote upgrade function

IOT Cloud Platform soon

- High reliability

20h Super long standby

1.5 meter drop test

Waterproof and splash proof

Operating temperature -10°C~50°C

## Technical specifications and ordering information

Product	NK6000 Series Multi-Function Optical Time Domain Reflectometer							
Model	S1	S2	S3	S4	T1	T2	M1	SM1
Fiber type	SM						MM	SM&MM
Wavelength(nm)	1310/1550				1310/1490/1550	1310/1550/1625	850/1300	850/1300/1310/1550
Maximum dynamic range(dB)	35/33	38/36	42/40	45/43	38/35/36	38/35/36	26/28	26/28/37/35
Event dead zone(m)	1	0.8	0.8	0.8	0.8	0.8	1	1
Attenuation dead zone(m)	6	6	6	6	6	6	6	6
Display	5.8 inch color LCD with touch screen					size: 227 mm *160 mm *70mm		
Measuring range	500m /1 km /2 km /4 km /8 km /16 km /32 km /64 km /128 km /256km							
Measuring pulse width	5ns/ 10ns/ 50ns/ 160ns/ 320ns/ 500ns/1000ns/ 5000ns/ 1000ns/ 2000ns							
Ranging accuracy	± (0.75m+ Sampling interval +0.005% x Test distance)							
Loss precision	± 0.05dB							
Reflection accuracy	± 3dB							
Data storage	≥2000							
Interface type	FC/ PC (Replaceable SC, ST)							
Communication interface	USB, mini-USB, 10M/100M Ethernet							
VFL output	≥5mW							