

NK-4000D Mini OTDR

Technical specifications

OTDR

Model	OTDR-4000D
Type	G.652 SM
Wavelength	1310nm/1550nm
Dynamic Range	26dB/24dB
Event Blind Zone	2.5m
ATT Blind Zone	8m
Test Range	500m/1km/2km/4km/8km/16km/32km/64km/100km
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1μs/2μs/3μs/5μs/8μs/10μs/20μs
Ranging Accuracy	±(1m+Sample interval+0.005%×Test distance)
Linearity	≤0.05dB/dB
Sample Points	16k~128k
Sample Resolution	0.05m~8m
Loss Resolution	0.001dB
Loss Threshold	0.20dB
Range Resolution	0.001m
Refractive Index	1.00000~2.00000
Reflection Accuracy	±3dB
File Format	SOR Standard File Format
Loss Analysis	4-point method /5-point method
Laser Safety Level	Class II
Connector	FC/UPC (Interchangeable SC、ST)
Refresh Rate	3Hz (Typ.)
Multitasking	Support

OPM

Wave Range	800nm~1700nm
Calibration Wave	850/980/1300/1310/1490/1550/1625/1650nm
Test Range	-70~+10dBm/-50~+26dBm
Resolution	0.01dB
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz(Use inner LS)
Connector	Universal FC/SC/ST
Wave Recognition	Support

VFL

Wavelength	650nm±20nm
Output Power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC、ST)
Laser Safety Level	Class III

LS

Wavelength	Consistent with OTDR
Laser Type	FP-LD
Power	≥-5dBm
Stability	CW, ±0.5dB/15min (After 15min of preheating)
Connector	FC/UPC (Interchangeable SC、ST)
Mode	CW/270Hz/330Hz/1kHz/2kHz
Wave Recognition	Support

Optical Loss Test

Wavelength	Consistent with LS
IL Test	Support

RJ45 Cable Tracker

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/DC adapter: input: 100V~240V, 50/60Hz, 0.6A output: 5V, 2A, Lithium battery: 3.7V, 4000mAh
Battery Working	Continuous test > 12 h
Data Storage	Internal storage: 8GB, ≥20 thousand curves
Data Interface	USB Type C
Working Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95% Non Condensing
Weight	≤0.5kg (Battery included)
Size	173mm×109mm×45mm