

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