



Telecom

AK 1000

OTDR



TECHNICAL SPECIFICATIONS:

OTDR AK 1000	
Fiber Type	G.652
Wavelength	1310nm±20nm/1550nm±20nm
Dynamic Range	32dB/30dB
Event Blind Zone	1m
ATT Blind Zone 6m	6m
Test Range	3m/5m/20m/500m/1km/2km/4km/8km/16km/32km/64km/128km
Pulse Width	5ns/10ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1000ns/3000ns/5000ns/8000ns/10000ns/20000ns
Ranging accuracy	± (0.75m+ Sample interval +0.005%×Test distance)
Loss accuracy	±0.05dB/dB
Sampling Points	16k~256k
Sampling resolution	0.05m~16m
Reflection accuracy	±3dB
File format	SOR Standard file format
Loss Analysis	4-point method /5-point method
Laser Safety	Level Class II
Data Storage	Internal : 100M (≤3000 curves) ; External : 4G bit
Connector	FC/UPC (Interchangeable SC,ST)
Refresh Rate	3Hz (Typ.)
Data Interface	USB, Mini-USB, 10M/100M
OPM	
Wavelength range	800nm~1700nm
Connector Universal	FC/SC/ST
Test scope	-50dBm~+26dBm
Uncertainty	±5%
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm

TECHNICAL SPECIFICATIONS:

LS	
Wavelength	Consistent with OTDR output wavelength
Output power	≥-5dBm
Stability	CW, ±0.5dB/15min (Test after 15 minutes of boot-up preheating)
Connector	FC/UPC (Interchangeable SC, ST)
VFL	
Wavelength	650nm±20nm
Output Power	≥2mW
Mode	CW/1Hz/2Hz
Connector	FC/SC/ST
OTHERS	
Display	5.6 inch Color LCD + Touch Screen
AC/DC Adapter	Input : 100V~240V, 50/60Hz, 0.6A
Power Supply Output	12V~19V, 1.5A
Li-Battery	7.4V, 5200mAh
Battery working hours	≥10h
Operating Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95%Non Condensing
Weight	≤1.2kg
Size	208mm×110mm×56mm

NOTE:

1. Test temperature is 25°C±2°C, maximum pulse width, the average time is more than 3 times
2. Test conditions of Event Blind Zone are minimum range, minimum pulse width, reflection loss of optical fiber end (> 45dB), typical value.

