

AK 2000P high-performance OTDR

Product overview



AK 2000P OTDR adopt 7 inch capacitance touch screen, which integrates 9 modules. With excellent intelligent hardware and software design, the accuracy of short fiber test and automatic test is higher. It is equipped with rich Ethernet test (Ping/PPOE, etc), support APP control.

AK 2000P OTDR is used to test the optical fiber length, loss and connection quality, and used in the engineering construction, link maintenance test, They are mainly used in urban trunk, bone trunk network and metropolitan area network.

Product features

0.5m Event Dead Zone

Online detection, effective APD active protection

Support fast charging protocol and power bank

Ethernet test, supporting Ethernet Remote Test

Integrate OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/
Remote test/File management

PDF file format enabled

Support SM/MM/SM+MM test

PON network online test

Maximum dynamic range 45dB

Mobile APP wireless operation



7 inch screen
Key + touch operation mode



Detection of online test
Caution function



Two languages input
Nomenclature in Chinese and English



Report printing
Files batch processing



Multi wavelength simultaneous test
Results automatic analysis

AK 2000P Technical specifications

OTDR															
Model	S0	S1	S2	S3	S4	T1	T2	T3	T4	T5	T6	F1	M1	SM1	SM2
Type	SM												MM	SM/MM	
Wavelength	1310/1550nm					1310nm /1490nm /1550nm		1310nm /1550nm /1625nm		1310nm /1550nm /1650nm		1310nm /1490nm /1550nm /1625nm	850nm/ 1300nm	850nm /1300nm /1310nm /1550nm	
MaxDynamicRange(dB)	32/30	35/33	38/36	42/40	45/43	32/30/30	37/35/35	32/30/30	37/35/35	32/30/30	37/35/35	37/35/35/35	26/28	26/28/35/33	26/28/37/35
Event Blind Zone	0.8m		0.5m			0.8m	0.5m	0.8m	0.5m	0.8m	0.5m	0.5m	1m		
ATT Blind zone	4m		3.5m			4m	3.5m	4m	3.5m	4m	3.5m	3.5m	6m		
Test Range	100m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km														
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us														
Rangingaccuracy	± (0.75m+ Sample interval+0.0025%×Test distance)														
Loss accuracy	±0.03dB/dB														
Sample Points	≥256k														
Sample Resolution	0.015m~16m														
Reflection Accuracy	±2dB														
Loss Resolution	0.001dB														
Loss Threshold	0.01dB														
File Format	PDF & SOR Standard File Format														
Loss Analysis	4-point method /5-point method														
Laser Safety Level	Class II														
Refresh Rate	4Hz (Typ.)														
Data Storage	Internal storage: 2GB, 200,000curves; External storage:64GB														
Connector	FC/UPC (Interchangeable SC、ST)														
Data Interface	USB-A, Type-C port, RJ45 LAN 10/100Mbit/s														
OPM															
Wavelength range	800nm~1700nm														
Connector	Universal FC/SC/ST														
Test scope	-50dBm~+26dBm/-70dBm~+6dBm														
Uncertainty	±5%														
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm														
LS															
Laser Type	FP-LD														
Wavelength	Consistent with OTDR output wavelength														
Output power	≥-5dBm (SM fiber)														
Mode	CW/270Hz/1kHz/2kHz														
Stability	CW, ±0.5dB/15min (Test after 15 minutes of preheating)														
Connector	FC/UPC (Interchangeable SC、ST)														
VFL															
Wavelength	650nm±20nm														
output power	≥10mW														
Mode	CW/1Hz/2Hz														
Connector	FC/UPC (Interchangeable SC、ST)														
The Optical Loss Test index refers to the above light source and optical power meter index.															
Others															
Display	7 inch color LCD + touch screen Resolution:800×480														
Power supply	Type-C adapter: Input: 100V~240V , 50/60Hz ,Output:5V/3A,9V/2A,12V/1.5A Lithium battery : 3.7V,10400mAh														
working mperature	-10℃~+50℃														
Storage temperature	-40℃~+70℃														
relative humidity	0~95%, Non Condensing														
Weight	≤1.2kg														
Size	215mm×160mm×50mm														

Functions of Host: OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/Remote test/File management

Configuration list

NO.	Name	Quantity	Remarks
1	Host	1	
2	AC/DC power adapter	1	
3	U disk (containing analysis software/ User' s Manual)	1	
4	Data line	1	
5	OTDR SC adapter	1	
6	User' s Manual	1	

NO.	Name	Quantity	Remarks
7	Calibration certification	1	
8	Certificate/ Warranty card	1	
9	Clean cotton piece	10	
10	Leather knob	1	
11	Special backpack for instrument	1	