

NK6200 series high-performance OTDR

Product overview



NK6200 series 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.

NK6200 series 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
- Support SM/MM/SM+MM test
- PON network online test
- Maximum dynamic range 45dB
- Mobile APP wireless operation
- Integrate OTDR/VFL/LS/OPM/Event Map/End Detection/Optical Loss Test/Ethernet test/Remote test/File management



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

NK6200 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+00025%×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 | 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 | | | | | | | | | | | | | | | |

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 | |