

RVO-1000 Hand Held OTDR



Description:

RVO1000 Handheld OTDR is the latest smart OTDR of Revotik. Although it is a handheld OTDR, it can measure the length of optical fiber over 100km. In short distance optical fiber testing, with the excellent 1m/4m deadzone performance, all kinds of continuous connectors, attenuation loss and other events can be clearly distinguished.

RVO1000 is equipped with 1310nm and 1550nm dual wavelength OTDR, optical power meter, stable laser source, 10mw VFL, RJ45 line sequence measurement and other functions. At the same time, it has bluetooth wireless connection and supports pairing with mobile phones.

Features:

- 3.5 inch color LCD, portable design and easy to carry.
- Multi function integration, support 10mw VFL, stable laser source, optical power meter, RJ45 line sequence test and other functions.
- High precision, short deadzone OTDR can accurately test all kinds of continuous connectors and attenuation points in the line.
- 28dB dynamic support over 100km optical fiber measurement.
- Simple mode and expert mode are convenient for application in different scenarios.
- Bluetooth connection of mobile phone supports fast transmission of test files to mobile phone.
- Mobile phone remote control, control OTDR test and curve view analysis through the mobile phone app.
- Support remote online upgrade

Specifications:

| Items | Specifications |
|-----------------------------------|--|
| Fiber type | SMF (ITU-T G.652) |
| Wavelength | 1310±20nm/1550±20nm |
| Dynamic range | 28/26dB |
| Test range | 1km, 2km, 5km, 10km, 20km, 40km, 80km, 120km |
| Pulse width | 3ns/5ns/10ns/30ns/50ns/100ns/275ns/500ns/1us/2us/5us/10us/20us |
| Event deadzone ^① | ≤1m |
| Attenuation deadzone ^① | ≤4m |
| Refractive index | 1.000~1.999 |
| Sampling points | 64000 |
| Sampling accuracy | 0.05m (1km) |
| Distance accuracy | ±(1m+test distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty) |
| Loss accuracy | 0.1dB |
| Linearity | 0.1dB |
| Reflectance accuracy | ±2dB |
| Event display | 1) Fiber end 2) Reflection event 3) Splice loss |
| VFL | Working wavelength: 650±10nm Output: 10mW, CW/1Hz/2Hz |
| Stable OLS | Working wavelength: 1310±20nm/1550±20nm Output >-13dBm, CW/270Hz/1kHz/2kHz |
| OPM | Calibrated wavelength: 850/1300/1310/1490/1550/1625/1650nm Test range: -70~+10dBm |
| RJ45 line sequence test | TIA568-A and TIA568-B standard |
| Optical interface | OTDR: standard FC/UPC, optional SC/UPC, FC/APC, SC/APC VFL: 2.5mm universal port OLS: share the OTDR port OPM: 2.5mm universal port |
| Electrical interface | RJ45 port×2, RJ45 remote module USB Type-C charging port |
| Wireless | Bluetooth |
| Data storage | Pluggable 8GB micro SD card |
| Battery | 5000mAh lithium battery |
| Working humidity | 0~85%(non condensing) |
| Working temperature | -10~50℃ |

| | |
|-----------|-----------------|
| Dimension | 192.9×93.8×47mm |
| Weight | 0.57kg |

Notes:

- 1, Deadzone test conditions: event deadzone return loss > -45dB, attenuation deadzone return loss > -55dB.
- 2, The product shell color is optional purple/blue/orange.