

FH01000

Intelligent handheld OTDR

Quickly and accurately analyze optical fiber links

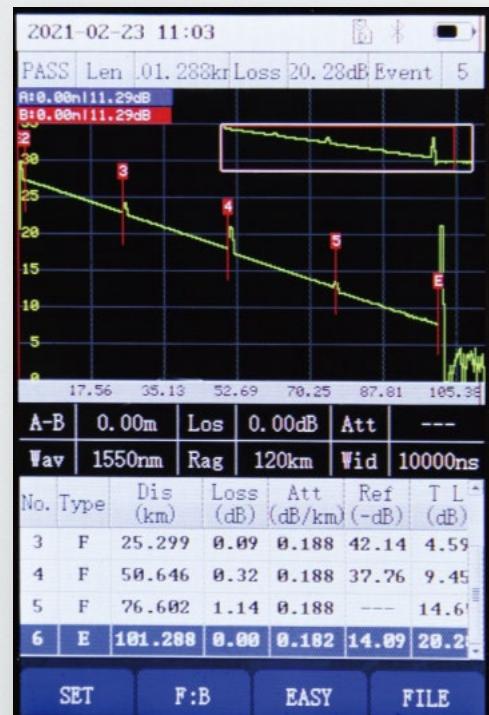


11 IN 1



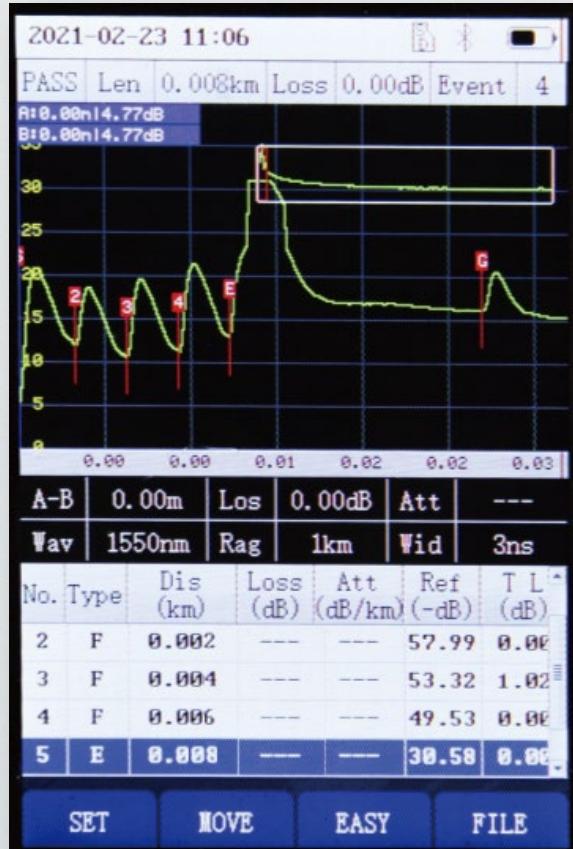
Large dynamic, See further

28 / 26dB large dynamic range,
the farthest actual test distance, up to more than 100 km

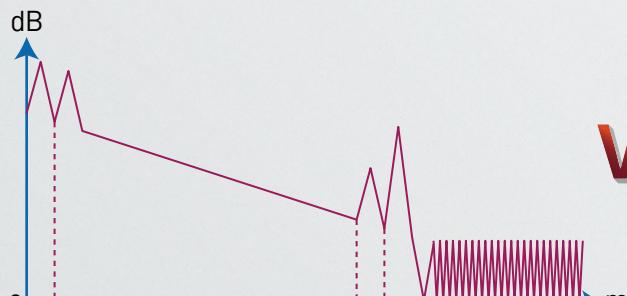
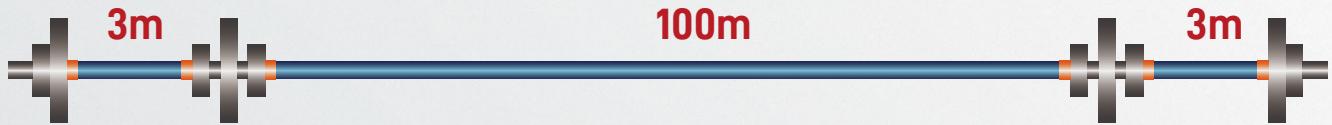


Real short deadzone, See more carefully

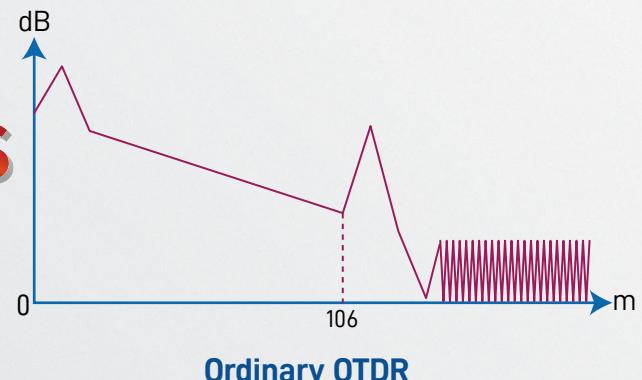
1 meter event deadzone and 4 meter attenuation deadzone,
can measure all kinds of continuous connectors



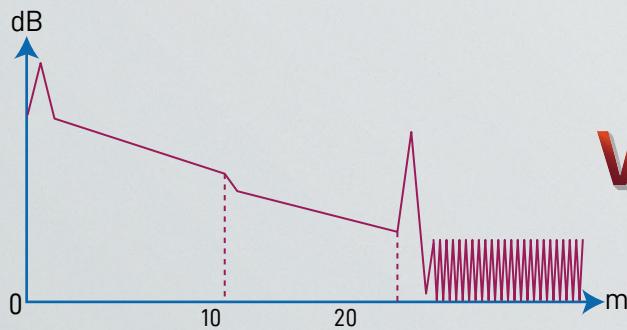
Comparative test (Short distance)



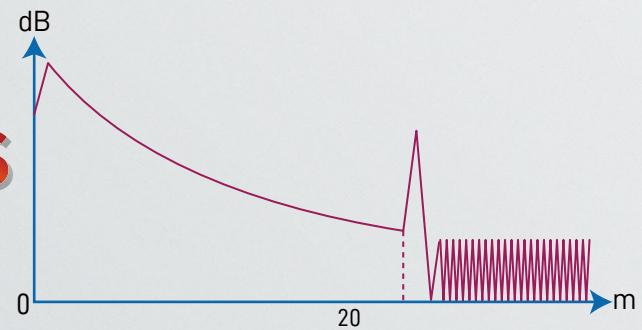
VS



Ordinary OTDR cannot accurately measure
the 3M patch cords at both ends

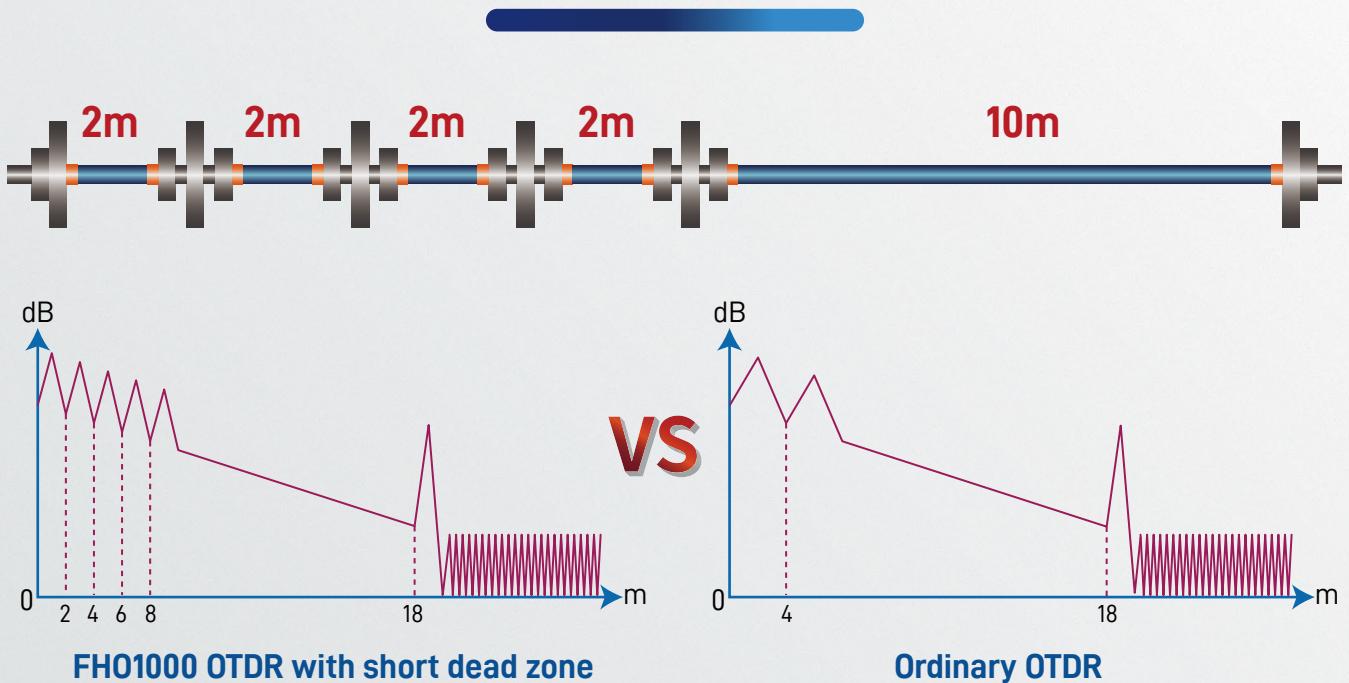


VS

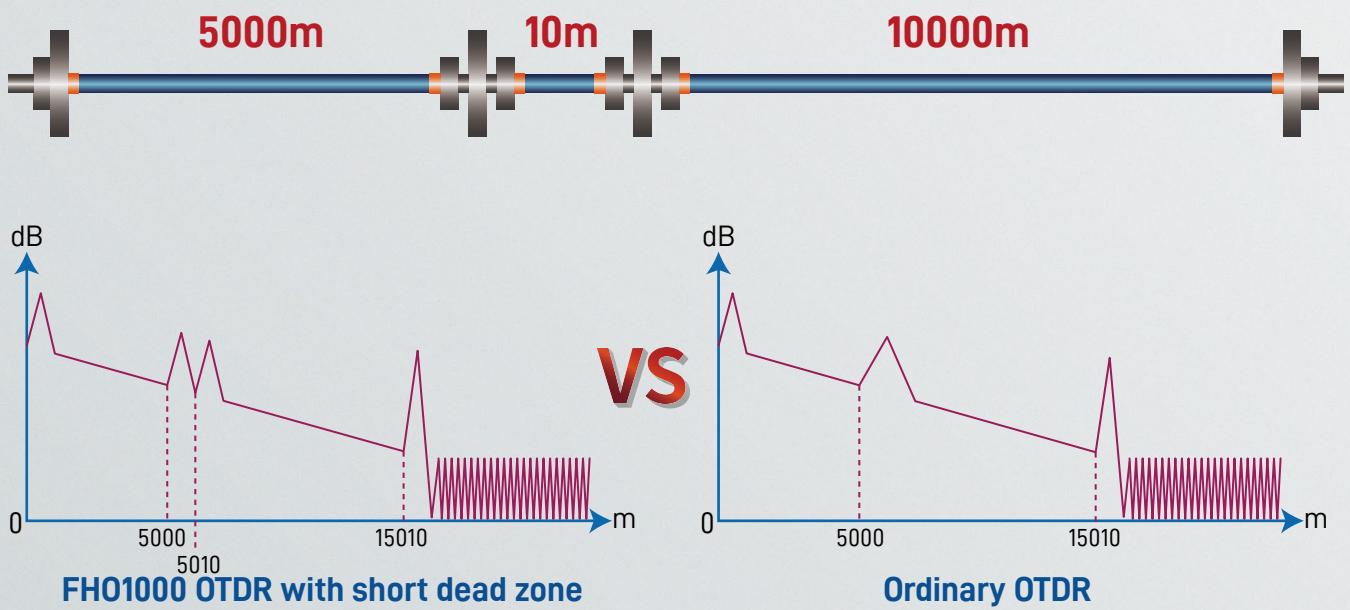


Ordinary OTDR cannot measure the attenuation value
of macro bend at 10m from the head end

Comparative test (Short distance)



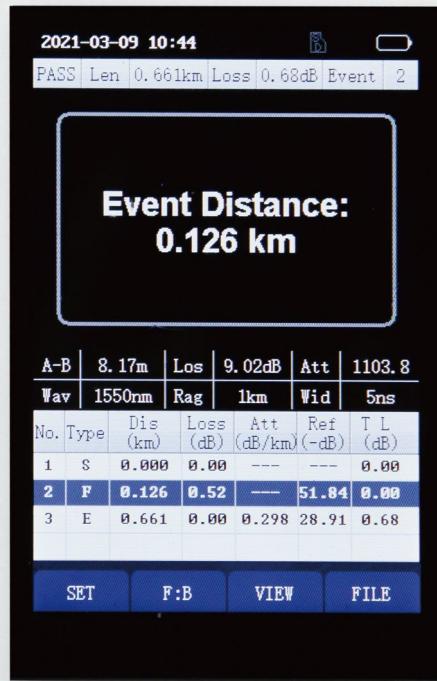
Ordinary OTDR cannot measure continuous connectors of 2m patch cords



Ordinary OTDR cannot measure the 10m patch cord in the middle

Support Easy mode

OTDR curve becomes easy to understand,
the event point can be determined visually



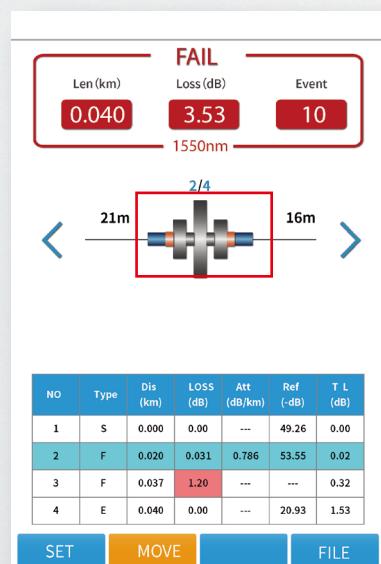
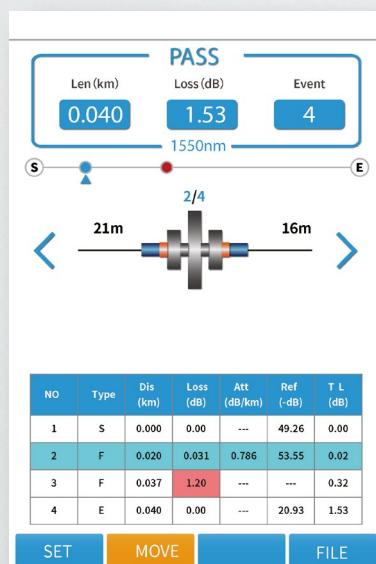
Easy Mode on FH01000



Easy Mode on FH01000APP

Fiber Link Map Test

Intelligent multi pulse width analysis and visual display of all events of optical fiber link



Bluetooth wireless connection

Connect the mobile phone through Bluetooth
to realize cloud data management



The field test results can be uploaded to the operator app in real time, and the test files can be quickly transferred to the mobile phone.

Large mobile screen, touch experience



Test Setup on App



Zoom



The mobile phone has a large screen, which makes the test settings more convenient and the test results clearer. Support touch zoom to view details.

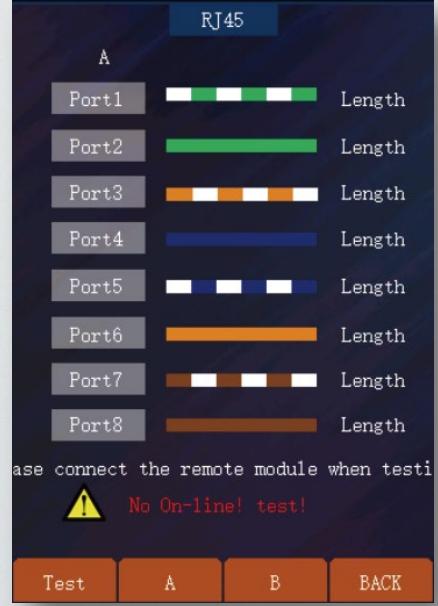
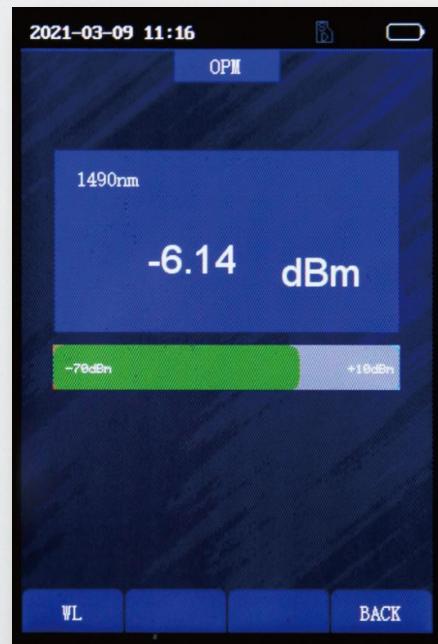
Online upgrade

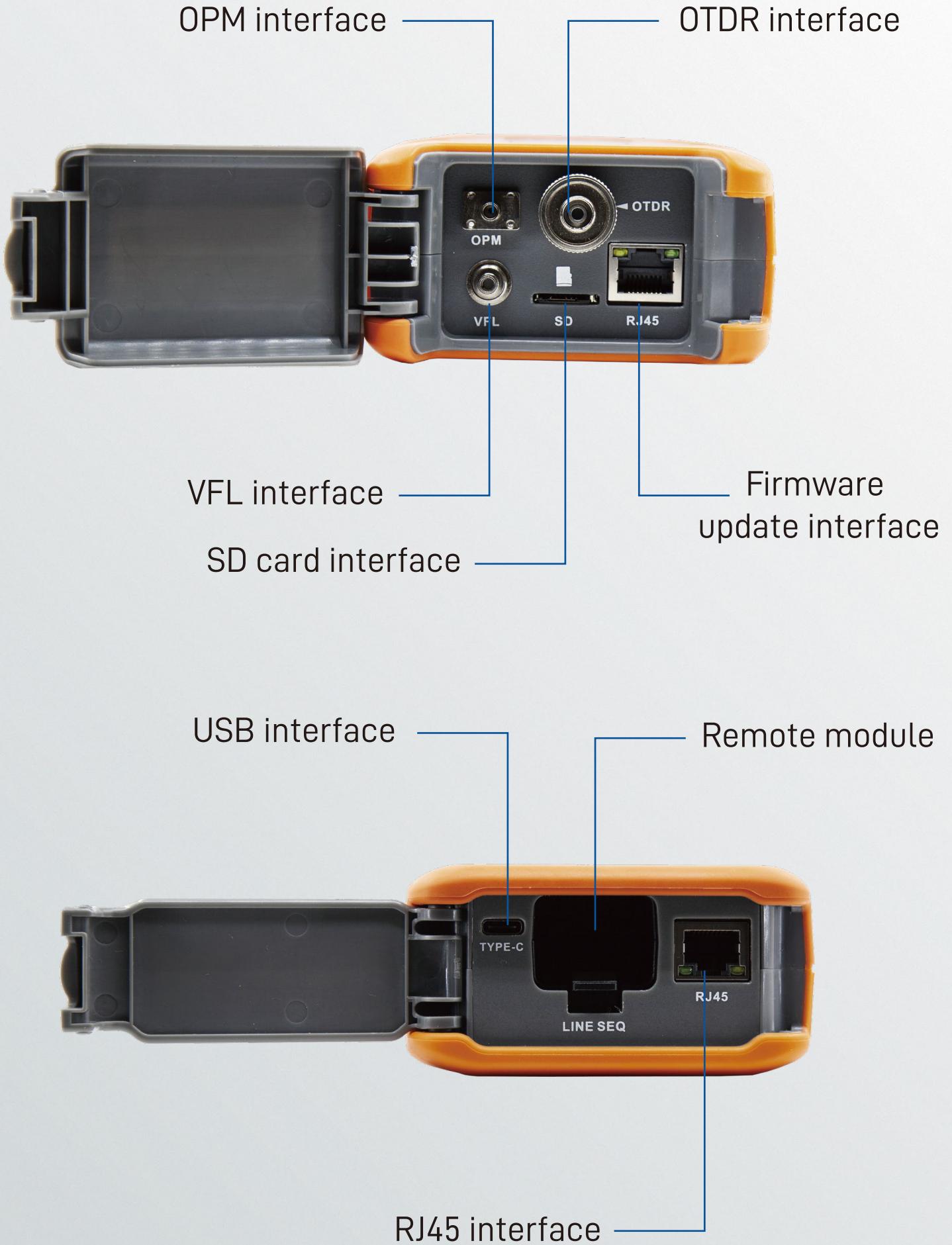
The instrument is connected to the Internet through the connecting network cable, and the software is upgraded by connecting to the official server.



Multi functions in one

Supporting 10mw VFL,
stable laser source, optical power meter,
RJ45 cable line sequence test





Technical parameter

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 deadzone①	≤1m
Attenuation deadzone②	≤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 event3) 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
Wireless	Bluetooth
Data storage	Pluggable 8GB micro SD card
Battery	5000mAh lithium battery
Working humidity	0~85% (non condensing)
Working temperature	-10~50°C
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.