980TEK OTDR

High Precision, Android UI, Multi Touch,
and Ultra-stable for any Cable Testing Situations

High Resolution | High Brightness |
9-in-1 Device

- OTDR
- Event Map
- Optical Power Meter
- Optical Light Source
- Visual Fault Locator
- RJ45 Cable Tracking
- RJ45 Cable Sequence
- LED Light
- Bluetooth

Device screen 1 (EventMap):

2023-3-15 13:24
EventMap

1550nm		
Total Length	19.865km	Fail
Total-L	4.56dB	
Total Events	2	

Start 14.86km 19.86km
START
0 1 2

No.	Type	Distance km	Loss dB	Avg.L dB/km	Return dB	Total-L dB
0	⊓	0.0000	0.00	0.00	-36.37	0.00
1	⊓	15.8561	0.99	0.19	-30.92	3.65
2	↩	19.8646	--	0.15	-27.05	4.56

Device screen 2 (OTDR):

13:24
OTDR
Auto Test 1550nm 40km 200ns
A 0m 17.20dB   B 19.8646km 12.64dB
Dis:19.8646km Loss:4.56dB Avg.L:0.23dB/km

No.	Type	Distance km	Loss dB	Avg.L dB/km	Return dB	Total-L dB
0	⊓	0.00000	0.00	0.00	-36.37	0.00
1	⊓	14.8561	0.99	0.19	-30.92	3.65
2	↩	19.8646	---	0.15	-27.05	4.56

Configuration

Hot Sale

Model#	980TEK-D26	980TEK-P24	980TEK-A24	980TEK-B24
Wavelength	1310nm & 1550nm	1610nm	1625nm	1650nm
Dynamic Range	26/24dB	24dB	24dB	24dB
Testing Range	3m to 100km	3m to 100km	3 to 100km	3m to 100km
OTDR	√	√	√	√
Event Map	√	√	√	√
Power Meter	√	√	√	√
Light Source	√	√	√	√
Visual Fault Locator	√	√	√	√
LED Light	√	√	√	√
RJ45 Cable Sequence	√	√	√	√
RJ45 Cable Tracking	√	√	√	√
Bluetooth*	√	√	√	√
1490nm Online	x	√	√	√
1550nm Online	x	√	√	√
1610nm Online	x	x	√	√

Request a Remote Demo
tech@FirstFiber.cn

The Kit Includes: OTDR, User Manual, TF Card, OTDRviewer Software, Power Charging Adapter, USB Cord, Carrying Case, Certificate of Calibrate
* Bluetooth function is optional

Note: -P24(1610nm) can test the fiber with 1310/1490/1550nm signal in (power <0dBm)
-A24(1625nm) can test the fiber with 1310/1490/1550/1577nm signal in(power <0dBm)
-B24(1650nm) can test the fiber with 1310/1490/1550/1577nm signal in(power <5dBm)

General

Size/Weight	145x86x33mm/ 400g (Battery included)
Display	4.3 inch touch-sensitive IPS TFT Screen, 800x480 Resolution
Interface	Type-C USB, TF Card Port, Rj45 Port, OTDR port, VFL port, Power Meter Port
Power Supply	Input: 100V(ac) to 240V(ac), 50~60Hz, 0.6A; Output: 5V(DC), 2A 4000mAh/5V Lithium battery (with air traffic certification)
Working Time	>8 hours
Power Saving	Intelligent power management Auto power off: Never/1min/5min/10min/30min/60min
Data Storage	8GB
Language	English
Environmental Conditions	Operating temperature and humidity: -10℃~+50℃, ≤95% (non-condensation) Storage temperature and humidity: -20℃~+70℃, ≤95% (non-condensation)

OTDR Module

Pulse Width	5ns,10ns,20ns,30ns,50ns,80ns,100ns,200ns,300ns,800ns,1μs,2μs,5μs,10μs,20μs
Distance Range	100m,300m,500m,1.25km, 2.5km, 5km, 10km, 20km, 40km, 80km,100km
Sampling Resolution	Minimum 0.03m
Sampling Point	20,000 points
Linearity	≤0.05dB/dB
Averaging Time	Setting by user
Scale Indication	X axis: 4~70m/div, Y axis: 0.09~5dB/div
Distance Accuracy	$\pm(1m+measuring\ distance\times3\times10^{-5}+sampling\ resolution)$ (excluding IOR uncertainty)
Loss Threshold	0.2dB
Loss Resolution	0.01dB
Distance Resolution	0.01m
IOR Setting	1.00000~2.00000
Units	km, mi, kft
OTDR Trace Format	Telcordia universal, SOR, issue 2(SR-4731)

VFL Module

Wavelength	650nm
Output Power	10mw, CLASSIII B
Range	12km
Launching Mode	CW/1Hz/2Hz

OPM Module

Wavelength	850/980/1300/1310/1490/1550/1625/1650nm
Test Range	-70~+ 10dBm or -50~+ 26dBm (in default)
Resolution	0.01
Accuracy	±0.35dB±1nW
Modulation	270/330/1k/2k Hz, Pi≥-40dBm

OLS Module

Wavelength	Same as OTDR Wavelengths
Output Power	>-5dBm
Output mode	CW/270/330/1k/2k Hz

Rj45 Cable Tracker

Testing Range	300 meters
Signal Type	Analog signal/Digital Signal
Active Cable Track	Support
Signal Receiver	Sent as a default Accessories
Warning Sound	Yes
Rj45 Cable Type	Support both 568A and 568B

Rj45 Cable Sequeence

Testing Range	300 meters
Signal Type	Analog signal/Digital Signal
Active Cable Test	Not Support
Remote Unit	Can be took out from bottom of the device
Rj45 Cable Type	Support both 568A and 568B
Testing Time	Less than 15s

Structure Drawings
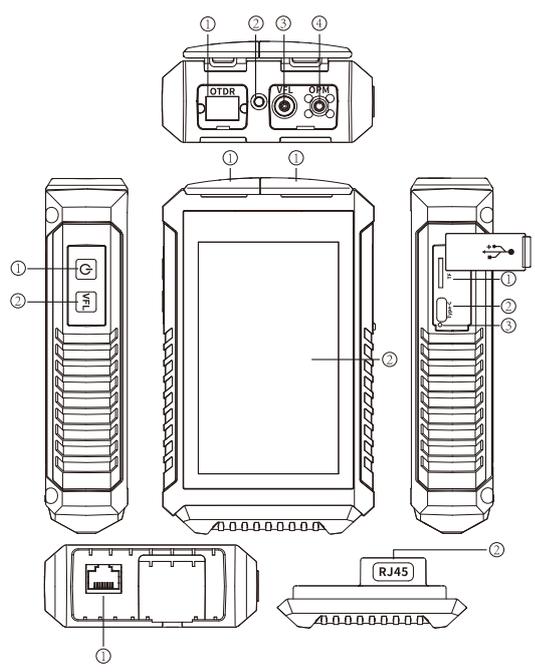
Front View
① Dust cover
② 4.3 inch color LCD

Top
① OTDR/LS interface
② Flashlight
③ VFL interface
④ OPM interface

Left
① Power on/off
② VFL

Offside
① TF(Micro SD) card slot
② Type C USB
③ LED charging indicator light

Bottom
① RJ45 wire sequence/tracker interface
② RJ45 testing remote end

On/Off key
Short press to turn on and prompt to turn off, long press to directly turn off

VFL key
ON/OFF

Quick function keys
Bluetooth switch, flashlight switch, voice switch USB switch, backlight brightness adjustment, screenshot

Home key
Short press to return to the main menu interface

Exit button
Return to the previous menu level
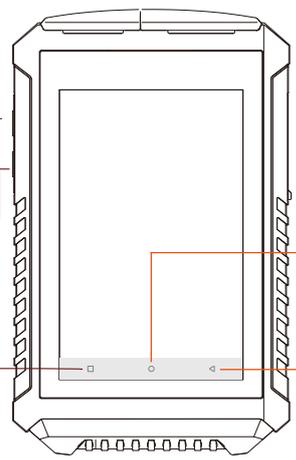
Functions & Settings
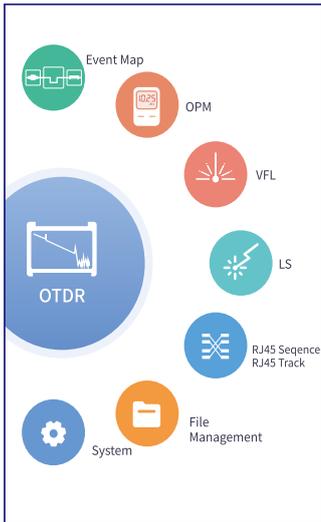
All Functions

OTDR

Event Map
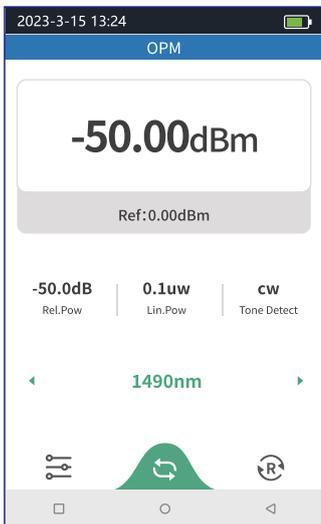
Optical Power Meter
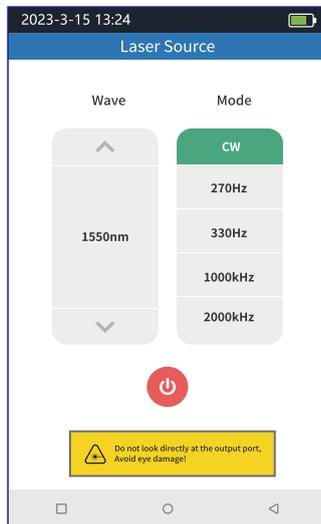
Optical Light Source
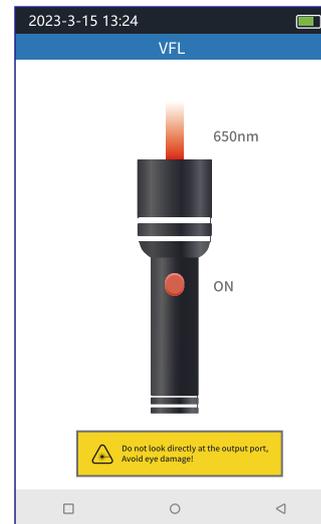
Visual Fault Locator
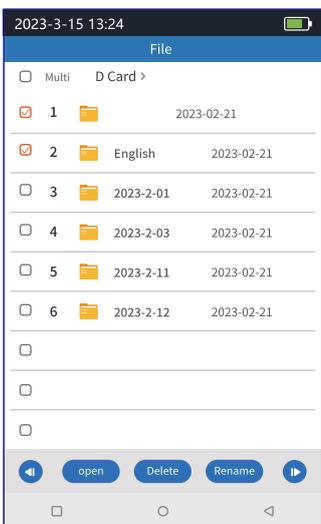
File
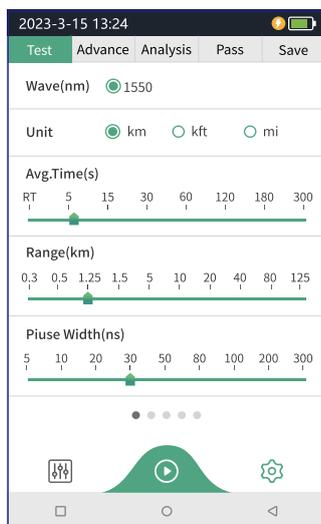
OTDR Test Setting
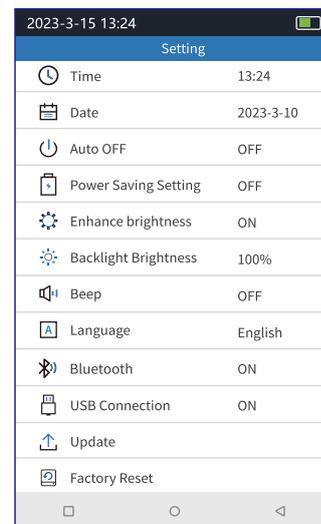
**System Setting**

Please visit the link for more pictures and video demo
www.firstfiber.cn/otdr-980tek.html

OTDR Report Printing

PC Software

Data exchange
Print Report
Operation Control

IoT OTDR (Bluetooth & GPS)

Mobile Phone App

Operation Video

Because of Apple Store Policy, we can not guarantee the App is available in any countries.
Please contact our sales or visit www.IoT-OTDR.com/iot-otdr/ios.php