



FH01500PLUS Optical Explorer

- FTTX last mile fiber troubleshooting
- First connector loss and ONU/Splitter connectivity state is measurable
- ONU status identification
- Accurate optical fiber testing capability over 60km
- 1650nm OTDR with filter support live fiber test
- Built-in 20dB OTDR, 10mw VFL, stable laser source, 10G PON OPM and RJ45 cable test
- Bluetooth and mobile phone app function
- Standard dynamic range is 20dB, and 30dB can be customized

Items	Specifications
OptiTracking Function	
Test Mode	Normal mode: fiber link map function Last Mile Test Direction : 1) Splitter → ONU (Test from splitter towards ONU) 2) ONU → Splitter (Test from ONU towards splitter) First connector insertion loss and the ONU/Splitter connectivity state can be tested
ONU Detection Function	
ONU Status Type	ONU Online, ONU Offline, No ONU, Rogue ONU
OTDR Module	
Wavelength	1650nm
Dynamic Range	20dB
Deadzone①	Event deadzone: 1m, Attenuation deadzone: 4m
Test Range	500m~120km
Pulse Width	3ns~20us
Distance Accuracy	$\pm(1m + \text{Test distance} \times 3 \times 10^{-5} + \text{Sampling resolution})$ (excluding IOR uncertainty)



Optical Power Meter Module	
10G PON OPM	Support downlink 1490nm and 1577nm optical power testing separately Support uplink 1270nm/1310nm optical power testing Test range: -40~+10dBm Test accuracy: $\pm 0.35\text{dB}$
Stable Laser Source Module	
Wavelength	Consistent with OTDR
Output Power	$> -12\text{dBm}$
Working Mode	CW/270Hz/1kHz/2kHz
VFL Module	
Wavelength	650nm $\pm 10\text{nm}$
Output Power	10mw
Working Mode	CW/1Hz/2Hz
RJ45 Cable Test	
Line Sequence Standard	TIA-568A or TIA-568B standard
Others	
Optical Interface	2*SC port, 1*2.5mm universal port
Electric Interface	2*RJ45 port, RJ45 remote module, Type-C charging/data port
Wireless	Bluetooth connection with Android phone app
Display	3.5inch color LCD
Data Storage	Pluggable 16GB micro SD card
Battery	5000mAh lithium battery
Working Temp	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$
Humidity	0~85% (Non condensing)
Dimension	192.9L $\times$ 93.8W $\times$ 47Hmm
Weight	0.58kg

Notes:

1: Deadzone test conditions: event deadzone return loss $> -45\text{dB}$, attenuation deadzone return loss $> -55\text{dB}$.