



FHO8000 Series OTDR

- Dynamic range from 35dB to 50dB, small deadzone 0.8m/3m
- Optimized PON test capability to pass through 1x128 splitter, the minimum distance between splitters is 30 meters
- Excellent FLM(Fiber Link Map) testing performance
- Built-in OTDR trace and FLM testing PDF report
- Remote control on PC software is available
- Multi function Integrated design, smart and rugged
- Support Bluetooth and mobile APP
- Dual 4000mAh lithium battery

Items	Specifications
Pulse Width	3ns, 5ns, 10ns, 30ns, 50ns, 100ns, 275ns, 500ns, 1us, 2us, 5us, 10us, 20us
Distance Range	500m, 2km, 5km, 10km, 20km, 33km, 40km, 80km, 120km, 160km, 265km
Sampling Resolution	Minimum 5cm
Sampling Points	Maximum 256,000 points
Linearity	≤0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
IOR Setting	1.2000~1.7000, 0.0001 step
Distance Accuracy	±(0.75m+test distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty)
Memory Capacity	16G TF card

Items	Specifications
Visual Fault Locator Module	
Working Wavelength	650nm±20nm
Power	10mw, CLASSIII B Laser
Launching Mode	CW/2Hz
Connector	Universal 2.5mm
Optical Power Meter Module	
Wavelength Range	800~1700nm
Calibrated Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	TypeA:-60~+5dBm(standard); Type B: -40~+23dBm(optional)
Accuracy	±0.35dB
Resolution	0.01dB

Optical Laser Source Module	
Working Wavelength	Consistent with OTDR
Output Power	SM $\geq$ -10dBm; MM $\geq$ -15dBm
Output Mode	CW/270Hz/1kHz/2kHz
Others	
Interface	1×RJ45 port, 3×USB port (USB 2.0, Type A USB×2, Type-C USB×1)
Display	8-inch touch screen
Available Lanaguage	English, traditional Chinese, French, Korean, Russian, Spanish, Portuguese, Turkish, Italian, German, Thai, Hungarian, Czech, Vietnamese, Polish (please contact sales for other languages)
Battery	2pcs 4000mAh lithium batteries
Power Supply	10V(dc)/4A, 100V(ac) to 240V(ac), 50~60Hz
Temperature	Working Temp: -10℃~+50℃; Storage Temp: -20℃~+70℃
Humidity	$\leq$ 95% (No-condensation)
Dimension	286×190×80mm
Weight	2.3kg (with battery)

Model	Wavelength	Dynamic Range	Dead-zone
FHO8000-D35	1310/1550nm $\pm$ 20nm	35/33dB	1/4m
FHO8000-D40		40/38dB	0.8/3m
FHO8000-D43		43/41dB	0.8/3m
FHO8000-D45		45/43dB	0.8/3m
FHO8000-D50		50/48dB	0.8/3m
FHO8000-TP35	1310/1490/1550nm $\pm$ 20nm	35/33/33dB	1/4m
FHO8000-T35F	1310/1550/1625nm $\pm$ 20nm	35/33/33dB	1/4m
FHO8000-T40F		40/38/38dB	0.8/3m
FHO8000-T43F		43/41/41dB	0.8/3m
FHO8000-T45F		45/43/43dB	0.8/3m
FHO8000-T50F		50/48/48dB	0.8/3m
FHO8000-TC35F	1310/1550/1650nm $\pm$ 20nm	35/33/33dB	1/4m
FHO8000-TC40F		40/38/38dB	0.8/3m
FHO8000-TC43F		43/41/41dB	0.8/3m
FHO8000-TC45F		45/43/43dB	0.8/3m
FHO8000-M21	850/1300nm $\pm$ 20nm	19/21dB	1/4m
FHO8000-MD21	850/1300nm $\pm$ 20nm	19/21dB	1/4m
	1310/1550nm $\pm$ 20nm	35/33dB	1/4m
FHO8000-MD22	850/1300nm $\pm$ 20nm	19/21dB	1/4m
	1310/1550nm $\pm$ 20nm	40/38dB	0.8/3m