



Jonard Tools' Professional Multi-Function OTDR is the perfect all-in-one handheld device for evaluating FTTx and access network construction and maintenance, identifying fiber breakpoints, measuring cable length, and calculating relative optical power losses.

This OTDR also features the following:

- Includes 5 different functions for testing: 1310/1550 nm OTDR module, 1310/1550 nm Light Source module, Power Meter module, Visual Fault Locator module, and Help module
- Large, bright 7" color LCD touch screen makes it quick and easy to evaluate data
- More accurate testing with a 32/30 Dynamic Range
- Features Dual Wavelength Testing (see both 1310 & 1550 wavelengths simultaneously)
- Handy stylus to keep LCD screen fingerprint free
- Rubberized hard plastic case is shock-proof and drop-proof for maximum durability
- 200 MB Internal storage stores up to 4,800 entries, with MicroSD/TF card slot for additional memory
- Built-in rechargeable lithium-ion battery provides power on-the-go
- On-board Wi-Fi connectivity for data transfers or live viewing of data (for Android devices)
- Can be charged or connected to a computer for data transfer via included micro-USB cable
- Includes FC/APC & SC/APC OTDR adapters, LC/UPC adapter for OPM, downloadable software (also featured in the download section of this product page), power adapter, calibration certificate and instruction manual
- Convenient unit kickstand
- Protective carrying case with adjustable strap





OTDR MODULE SPECIFICATIONS

TECHNICAL SPECIFICATIONS		
SINGLE MODEL CENTER WAVELENGTH	1310±20nm, 1550±20nm	
FIBER TYPE	G.652 SingleMode Fiber	
DYNAMIC RANGE	32dB/30dB	
DISTANCE UNCERTAINTY	\pm (0.75 m + Sample Interval + 0.0025% × Distance) (excluding the refractivity placement error) (m)	
EVENT DEAD ZONE	1.5m	
ATTENUATION BLIND ZONE	8m	
TEST RANGE	500m-60km	
PULSE WIDTH	3ns-10us	
RANGE ACCURACY	±(0.75 m + Sampling Interval + 0.0025% × Test Distance)	
LOSS ACCURACY	± 0.02 dB/km	
# OF SAMPLING POINTS	256k	
LOSS THRESHOLD	0.01dB	
SAMPLING RESOLUTION	0.04-5	
SAMPLING POINTS	256K	
MEASUREMENT TIME	6-180s	
TYPICAL REAL-TIME REFRESH (Hz)	4	
STABLE SOURCE OUTPUT POWER	-5dBm	
REFLECTION ACCURACY	± 2 dB	
DATA STORAGE	Internal: 200 MB; External: MicroSD Card	
LASER SAFETY LEVEL	Class II level	
FILE FORMAT	SOR Standard File Format	
INCLUDED CONNECTORS FOR OTDR	FC, SC (APC)	
DIMENSIONS	13 in x 4 in x 4 in (33.02 cm x 10.16 cm x 10.16 cm)	
WEIGHT	6.27 lb (2846.58 g)	
UPC #	810053352113	

VFL SPECIFICATIONS		
NAME	CONTENTS	
Center wavelength (nm)	650nm±20nm	
Output power mW	≥2mW (typical)	
Operation mode	CW, 1Hz and 2Hz	
Interface type	TOSA	

POWER METER MODULE SPECIFICATIONS		
NAME	CONTENTS	
Wavelength range	1200nm ~ 1650nm	
Power range	-60dBm ~ 0dBm	
Uncertainty of calibration point power test	Better than 0.22dB (-25dBm, CW, 1310/1550nm)	
Uncertainty	±5% (-25dBm, CW)	
Uncertainty of power measurement within the optical path	Better than ± 1.5 dB	

LIGHT SOURCE MODULE SPECIFICATIONS		
NAME	CONTENTS	
Output wavelength	1310nm-1550nm	
Output power	≥-5dBm(23°C±2°C)	
Operation mode	CW, 270Hz, 1kHz and 2kHz	

