



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:

- 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
- Convenient unit kickstand
- Protective carrying case with adjustable strap
- 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)
- Built-in Event Map shows faults with graphical images for simplified troubleshooting
- Limited Warranty



## OTDR MODULE SPECIFICATIONS

TECHNICAL SPECIFICATIONS	
SINGLE MODEL CENTER WAVELENGTH	1310±20nm, 1550nm
FIBER TYPE	G.652 SingleMode Fiber
DYNAMIC RANGE	32dB/30dB
DISTANCE UNCERTAINTY	$\pm(0.75 \text{ m} + \text{Sample Interval} + 0.0025\% \times \text{Distance})$ (excluding the refractivity placement error) (m)
EVENT DEAD ZONE	1.5m
ATTENUATION BLIND ZONE	8m
TEST RANGE	500m-80km
PULSE WIDTH	3ns-10us
RANGE ACCURACY	$\pm(0.75 \text{ m} + \text{Sampling Interval} + 0.0025\% \times \text{Test Distance})$
LOSS ACCURACY	$\pm 0.02 \text{ dB/km}$
# 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	$\pm 2 \text{ dB}$
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 ±1.5dB

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

