



Jonard Tools' Mini Pro 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 Mini Pro OTDR also features the following:

- Includes 8 different functions for testing and evaluating fiber optic and network cables
- Bright 3.5" color LCD screen makes it quick and easy to evaluate data
- Rubberized hard plastic case is shock-proof and drop-proof for maximum durability
- 600 MB Internal storage with MicroSD/TF card slot for additional memory
- Includes FC and ST/SC (UPC) adapters for fiber optic cables
- Built-in rechargeable lithium ion battery provides power on-the-go
- Can be charged or connected to a computer for data transfer via included micro-USB cable

| FUNCTIONS                                    |                                                                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>OTDR</b>                                  | Maps fiber optic cables and can illustrate the termination quality and location of faults that may hinder network performance |
| <b>EVENT MAP</b>                             | Provides an easy-to-understand view of each mapped event, giving loss values for individual components                        |
| <b>OPTICAL POWER METER (OPM)</b>             | Measures the relative power of fiber optic cables                                                                             |
| <b>VISUAL FAULT LOCATOR (VFL)</b>            | Illuminates any faults within a fiber optic cable for maintenance and repair                                                  |
| <b>OPTICAL LIGHT SOURCE (OLS)</b>            | Provides a stable light source at varying wavelengths to be used with the OPM                                                 |
| <b>CABLE LENGTH MEASUREMENT TOOL</b>         | Measures the length of network cables                                                                                         |
| <b>CABLE TRACKER</b>                         | Can be used to track and trace a terminated network cable                                                                     |
| <b>RJ45 SEQUENCE TESTER (CAT5/e, CAT6/e)</b> | Tests the continuity of RJ45 connectorized network cables                                                                     |



**MINI-PRO OTDR SPECIFICATIONS**

| MODEL               | OTDR-100                                         |
|---------------------|--------------------------------------------------|
| WAVELENGTH          | 1310nm/1550nm±20nm                               |
| FIBER TYPE          | G.652 SM Fiber                                   |
| DYNAMIC RANGE       | 24dB/22dB                                        |
| EVENT BLIND ZONE    | 3m                                               |
| ATT BLIND ZONE      | 8m                                               |
| TEST RANGE          | 500m~60km                                        |
| PULSE WIDTH         | 3ns~10us                                         |
| RANGING ACCURACY    | ±(1m+Sampling Interval +0.005%×Test Distance)    |
| LOSS ACCURACY       | ±0.2dB/dB                                        |
| SAMPLING POINTS     | 16k~128k                                         |
| SAMPLING RESOLUTION | 0.05m~8m                                         |
| REFLECTION ACCURACY | ±3dB                                             |
| DATA STORAGE        | Internal: ≥600; External: TF Card                |
| LASER SAFETY LEVEL  | Class II level                                   |
| FILE FORMAT         | SOR Standard File Format                         |
| CONNECTOR           | FC/UPC (Interchangeable SC/ST) / SC/APC optional |

| OPTICAL LIGHT SOURCE (OLS) |                                                    |
|----------------------------|----------------------------------------------------|
| LD TYPE                    | FP-LD                                              |
| OUTPUT WAVELENGTH          | 1550nm±20nm      1310nm/1550nm±20nm                |
| OUTPUT POWER               | ≥-5dBm                                             |
| MODULATION FREQUENCY       | 270/330/1k/2kHz                                    |
| STABILITY                  | CW, ±0.5dB/15min (Test after 15mins of preheating) |
| CONNECTOR                  | FC/UPC (Interchangeable SC, ST)                    |

| OPTICAL POWER METER (OPM) |                                         |
|---------------------------|-----------------------------------------|
| WAVE RANGE                | 800nm~1700nm                            |
| INTERFACE TYPE            | Universal Joint FC/SC/ST                |
| TEST RANGE                | -50dBm~-+26dBm                          |
| UNCERTAINTY               | ±5%                                     |
| FREQUENCY IDENTIFICATION  | CW/270/330/1k/2kHz                      |
| CALIBRATION WAVELENGTH    | 850/980/1300/1310/1490/1550/1625/1650nm |

| OTHER PARAMETERS      |                                                              |
|-----------------------|--------------------------------------------------------------|
| DISPLAY               | 3.5 Inch Color LCD                                           |
| DATA INTERFACE        | Micro USB                                                    |
| EXTERNAL STORAGE      | TF Card                                                      |
| POWER SUPPLY          | Polymer Li-battery: 3.7V, 4000mAh<br>Power Adapter: 5VDC, 2A |
| BATTERY LIFE          | Standby>20h; Measuring Time>12h                              |
| OPERATING TEMPERATURE | -10°C~+50°C                                                  |
| STORAGE TEMPERATURE   | -40°C~+70°C                                                  |
| RELATIVE HUMIDITY     | 0~95% Non Condensing                                         |
| WEIGHT                | ≤350g                                                        |
| DIMENSION             | 173mm×82mm×37mm                                              |

| VISUAL FAULT LOCATOR (VFL)    |            |
|-------------------------------|------------|
| WORK WAVELENGTH               | 650nm±20nm |
| OUTPUT POWER                  | ≥10mW      |
| MODE                          | CW/1Hz/2Hz |
| CONNECTOR                     | FC/SC/ST   |
| RJ45 CABLE LENGTH MEASUREMENT |            |
| TEST RANGE                    | 300m       |

