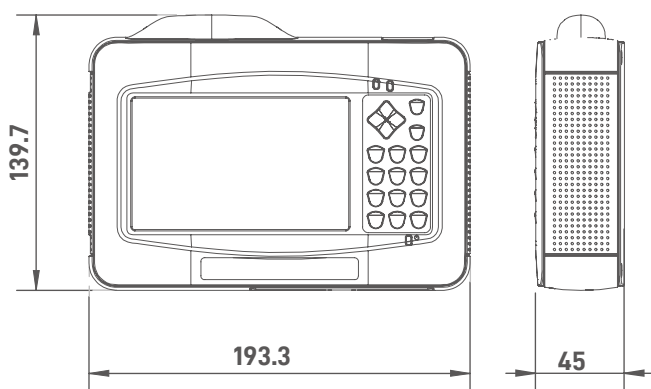




### FHO3000 Mini Series OTDR

- 5-inch capacitive touch screen, portable design and easy to carry
- Support 10mw VFL, stable laser source, optical power meter, optical loss test, fiber link map test and fiber microscope
- Ultra short 1m/4m deadzone
- 1625nm live fiber testing module is available
- Support sor and PDF export
- Support pass through 1x32 splitter PON network



| Items                 | Specifications                                                                                                       |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Pulse Width           | 3ns~20us                                                                                                             |
| Distance Range        | 0.1km~120km                                                                                                          |
| Event Dead-zone       | ≤1m                                                                                                                  |
| Attenuation Dead-zone | ≤4m                                                                                                                  |
| IOR Setting           | 1.30000~1.70000                                                                                                      |
| Sampling Points       | 128,000                                                                                                              |
| Distance Accuracy     | $\pm(0.75m + \text{test distance} \times 3 \times 10^{-5} + \text{sampling resolution})$ (excluding IOR uncertainty) |
| Loss Resolution       | 0.001dB                                                                                                              |
| Linearity             | ≤0.03dB/dB                                                                                                           |
| VFL                   | Working wavelength: 650±10nm                                                                                         |
|                       | Output power: 10mW, CW/1Hz/2Hz                                                                                       |
| Stable OLS            | Working wavelength: Consistent with OTDR                                                                             |
|                       | Output power: >-10dBm                                                                                                |
| Normal OPM            | Calibrated wavelength: 850/1300/1310/1490/1550/1625/1650nm                                                           |
|                       | Test range: -60~+5dBm                                                                                                |

| Items                | Specifications                                        |
|----------------------|-------------------------------------------------------|
| Optical Interface    | OTDR: FC/UPC or SC/UPC (APC is available)             |
| Display Screen       | 5inch capacitive touch screen                         |
| Electrical Interface | USB2.0 Port<br>USB Type-C charging port and data port |
| Data Storage         | 16GB card                                             |
| Battery              | 3.7V/7000mAh lithium battery, support fast charge     |
| Working Temp         | -10℃~+50℃                                             |
| Humidity             | 0~85%(non condensing)                                 |
| Dimension            | 195×141×44mm                                          |
| Weight               | 0.9kg(with battery)                                   |

| Model        | Wavelength       | Dynamic Range | Dead-zone |
|--------------|------------------|---------------|-----------|
| FHO3000-D28  | 1310/1550nm      | 28/26dB       | 1/4m      |
| FHO3000-D32  |                  | 32/30dB       | 1/4m      |
| FHO3000-D35  |                  | 35/33dB       | 1/4m      |
| FHO3000-T28F | 1310/1550/1625nm | 28/26/26dB    | 1/4m      |
| FHO3000-T32F |                  | 32/30/30dB    | 1/4m      |
| FHO3000-T35F |                  | 35/33/33dB    | 1/4m      |

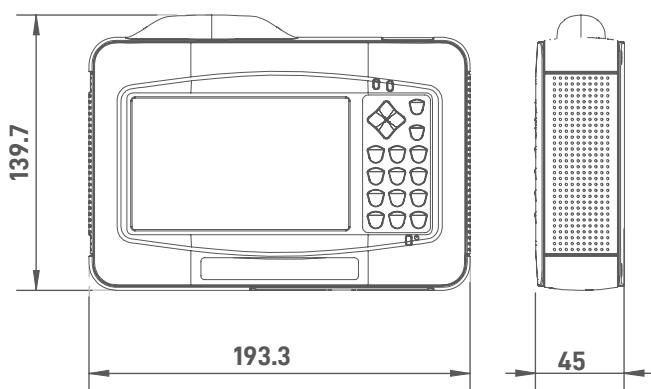
## Notes

- 1: Please consult us for more customized models.
- 2: Dynamic range is measured with 20us pulse width, averaging time is 180s, SNR=1.
- 3: Event dead-zone is measured with 3ns pulse width.
- 4: Attenuation dead-zone is measured with 3ns pulse width.



### FHO3000L Mini Series OTDR

- 5-inch color LCD capacitive touch screen
- 26/24dB dynamic range and 2.5m/8m deadzone
- 11 functions in 1, support auto OTDR, expert OTDR, Event Map, Optical power meter, VFL, Stable laser source, optical loss test, RJ45 cable seq test, RJ45 length test, RJ45 cable tracking(optional), electric torch
- Support one button screenshot function
- Multi-language display and input



| Items                 | Specifications                                                                          |
|-----------------------|-----------------------------------------------------------------------------------------|
| Dynamic Range         | 26/24dB                                                                                 |
| Fiber Type            | SMF                                                                                     |
| Wavelength            | 1310nm±20nm/1550nm±20nm                                                                 |
| Event Dead-zone       | 2.5m                                                                                    |
| Attenuation Dead-zone | 8m                                                                                      |
| Distance Range        | 500m/1km/2km/4km/8km/16km/32km/64km/100km                                               |
| Pulse Width           | 3ns~20us                                                                                |
| Distance Accuracy     | ±(1m+Test distance×5×10 <sup>-5</sup> +Sampling resolution) (excluding IOR uncertainty) |
| Linearity             | ±0.5dB/dB                                                                               |
| Sampling Points       | 16k~128k                                                                                |
| Sampling Resolution   | 0.05m~8m                                                                                |
| Loss Resolution       | 0.001dB                                                                                 |
| Distance Resolution   | 0.001m                                                                                  |
| Loss Threshold        | 0.20dB                                                                                  |
| IOR Setting           | 1.00000~2.00000                                                                         |

| Items                               | Specifications                                        |
|-------------------------------------|-------------------------------------------------------|
| Reflectance Accuracy                | ±3dB                                                  |
| File Format                         | SOR standard file format                              |
| Loss Test Mode                      | 4-point/5-point method                                |
| Laser Safety Level                  | Class II                                              |
| Optical Port                        | FC/UPC (SC, ST, APC polishing is optional)            |
| Refresh Rate                        | 3Hz(Typ.)                                             |
| <b>OPM</b>                          |                                                       |
| Working Wavelength                  | 800nm~1700nm                                          |
| Calibrated Wavelength               | 850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm |
| Test Range                          | -70~-+10dBm/-50~-+26dBm                               |
| Resolution                          | 0.01dB                                                |
| Accuracy                            | ±5%                                                   |
| Frequency Identification            | CW/270/330/1k/2kHz (Use inner LS)                     |
| Optical Port                        | Universal FC/SC/ST                                    |
| Wavelength Recognition              | Support                                               |
| <b>VFL</b>                          |                                                       |
| Working Wavelength                  | 650nm±20nm                                            |
| Output Power                        | ≥10mw                                                 |
| Working Mode                        | CW/1Hz/2Hz                                            |
| Optical Port                        | FC/UPC (Interchangeable SC/ST)                        |
| Laser Safety Level                  | Class III                                             |
| <b>OLS</b>                          |                                                       |
| Working Wavelength                  | 1310nm/1550nm                                         |
| Laser Type                          | FP-LD                                                 |
| Output Power                        | ≥ -5dBm                                               |
| Working Mode                        | CW/270Hz/330Hz/1kHz/2kHz                              |
| Stability                           | CW, ±0.5dB/15 min(after 15min of preheating)          |
| Optical Port                        | FC/UPC (Interchangeable SC/ST)                        |
| <b>Optical Loss Test</b>            |                                                       |
| Working Wavelength                  | Consistent with LS                                    |
| IL Test                             | Support                                               |
| <b>RJ45 Cable Finder (Optional)</b> |                                                       |
| Working Mode                        | Digital tracking                                      |
| Distance                            | ≤300m                                                 |
| Online/Line Pair Tracking           | Support                                               |



| Items                      | Specifications                                        |
|----------------------------|-------------------------------------------------------|
| <b>RJ45 Cable Length</b>   |                                                       |
| Test Distance              | ≤300m                                                 |
| <b>RJ45 Cable sequence</b> |                                                       |
| Test Standard              | T568A/T568B                                           |
| <b>Others</b>              |                                                       |
| Display                    | 5 inches color touch screen                           |
| Available Lanaguage        | English, Spanish, Russian, French, Portuguese, Arabic |
| Data Storage               | 8GB TF card                                           |
| Data Interface             | USB type C                                            |
| Working Temp               | -10℃~+55℃                                             |
| Storage Temp               | -40℃~+70℃                                             |
| Humidity                   | 0~95% (No condensation)                               |
| Dimension                  | 195L×141W×44Hmm                                       |
| Weight                     | 0.9kg                                                 |

#### Notes

- 1: Dynamic range is measured with 20us pulse width, averaging time is 180s, SNR=1.
- 2: Event dead-zone is measured with 3ns pulse width, return loss>-45dB
- 3: Attenuation dead-zone is measured with 3ns pulse width, return loss>-55dB