

**SCITEX PTE LTD**



## HANDHELD SINGLEMODE OTDR

### Handheld OTDR XC-70

Large touch screen + shortcut keys, easy to operate.

Large-capacity polymer lithium battery, with super long working hours.

Intelligent testing, simple use, powerful function.

Media of Memory card and SD card, with super large storage capacity of traces.

Meet FTTx testing needs.

Several wavelengths can be chosen.

Solid casing design, dustproof and shockproof.

FTTX test with PON networks, Network testing, Metro network testing

## Product Details

### **HANDHELD OTDR XC-70**

Palm OTDR X-70 is a very reliable and good performance OTDR, it can measure the optical fiber length, transmission attenuation of optical fiber, attenuation of splice, and failure location, etc accurately. It is widely used in the maintenance, construction and monitoring of cable line.

Optional XGSPON test function; capable of measuring 1490 nm and 1577 nm, wavelengths separately. Selectable wavelengths:  
850/1300/1310/1490/1550/1625/1650nm

## Features

- Long haul testing.
- Several wavelengths can be chosen
- Large touch screen + shortcut keys, easy to operate
- Large-capacity Li-battery with super long working hours
- Memory card and SD card, large storage of traces
- Protective carrying bag design
- Built in Visible failure orientation VFL,650nm,Maximum testing distance 3KM
- Intelligent testing, simple use, powerful function
- Live fiber troubleshooting

## Specifications

<b>Dimension/Display</b>	234(H)×65(W)×177(D)mm/7 " touch screen 1024*600
<b>Weight</b>	1.3kg
<b>Optical Interface</b>	FC/UPC (PC, and APC are available)
<b>Temperature</b>	Running temperature -10°C to 50°C,Memory temperature -40°C to 70°C

<b>Relative Humidity</b>	0% to 95% (non condensation)					
<b>Power Supply</b>	Lithium battery; continuous working duration ≥ 24 hours					
<b>Storage of Trace</b>	Internal memory 16G, > 20000 pieces					
<b>Data Interface</b>	USB interface					
<b>Package</b>	OTDR,Power Adapter, Power Cord,Strap,User Manual, SD Card,Touch Pen, Carrying Bag					
<b>Model Number</b>	<b>X-70-D36</b>	<b>X-70-D45</b>	<b>X-70-T32</b>	<b>X-70-T45</b>	<b>X70-TP40</b>	<b>X-70-MD20</b>
<b>Wavelength (nm)</b>	1310/1550	1310/1550	1310/1550/1625	1310/1550/1625	1310/1490/1550	850/1300/1310/1550
<b>Dynamic Range (dB)</b>	36/34	45/44	32/30/30	45/44/44	40/38/38	20/18/32/30
<b>Pulse Width (ns)</b>	5,10,20,40,80,160,320,640,1280,2560,5120,10240,20480					20 to 20480
<b>Event Blind Zone (m)<sup>3</sup></b>	1m					3.5m/2.5
<b>Attenuation Blind Zone (m)<sup>3</sup></b>	4m					15m/13
<b>Linearity (dB/dB)</b>	±0.05 dB/ dB			Loss Threshold (dB)		0.05
<b>Sampling Resolution Ratio (m)</b>	0.125 to 8			Typical Real-time Refres Duration (s)		1
<b>Loss Resolution ratio (dB)</b>	0.01					

<b>Sampling Point</b>	64K
<b>Distance Uncertainty (m)</b>	$\pm(1 \text{ m} + 5 \times 10^{-5} \times \text{distance} + \text{sampling interval})$
<b>Distance Scope(km)</b>	0.3 to 200
<b>Duration of Measurement</b>	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min.

### VFL Module

<b>Wavelength</b>	650nm( $\pm 20$ nm)
<b>Output Power</b>	10mw,CLASSIII B
<b>Test Range</b>	12km
<b>Connector</b>	Universal 2.5mm interface
<b>Launching Mode</b>	CW/2Hz

### OPM Module

<b>Wavelength Range</b>	800~1700nm
<b>Calibrated Wavelength</b>	850/1300/1310/1490/1550/1625/1650nm
<b>Test Range</b>	Type A: -60~+5dBm (standard); Type B: -40~+23dBm (optional)
<b>Resolution</b>	0.01dB
<b>Accuracy</b>	$\pm 0.35$ dB $\pm 1$ nW
<b>Connector</b>	FC/UPC or SC/UPC or customized

### LS Module (Laser Source)

<b>Working Wavelength</b>	Consistent with OTDR (Except 850nm/1300nm)
<b>Output Power</b>	$\geq -10$ dBm
<b>Output Mode</b>	CW/270Hz/1kHz/2kHz
<b>Accuracy</b>	$\pm 0.5$ dB
<b>Connector</b>	FC/UPC or SC/UPC or customized

## Standard Accessories

NO.	ITEM
1	Carrying case
2	Power adapter
3	Power cord
4	Strap
5	Manual (CD)