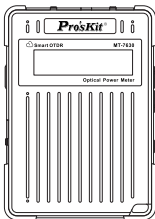


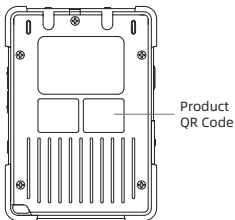
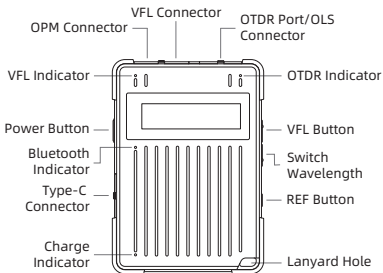


MT-7630 Smart OTDR

User's Manual



Appearance



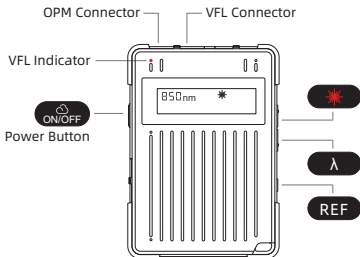
OPM&VFL

OPM:

Long press the "  " button to power on/off, short press the "  " key to switch wavelengths.

VFL:

Long press the "  " button to power on/off, short press the "  " key to switch the VFL working status between " ON/GLINT/OFF".



APP Control-TriBrerHome

For an optimal experience, it is recommended to use the APP to control the product.

Scan the QR code below to download and install the TriBrerHome APP.



TriBrerHome APP

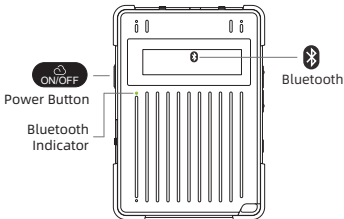
APP Control - Scan to Bind

Step 1:

Long press the "  " button to power on/off, the Bluetooth icon on the screen is always on.

Bluetooth Status Indicator:

- Always on: Device connected
- Off: No device connected



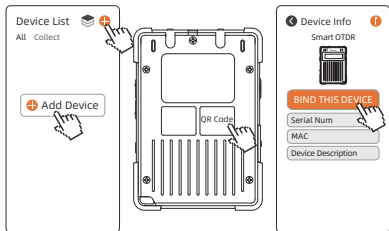
APP Control-Scan to Bind

Step 2:

In the TriBrerHome APP, tap the "  " icon to add a device, scan the "Product QR Code" on the back of the device, and select "  " to complete the binding.

(Note: The device must be powered on during binding.)

Once binding is successful, you can view and control the Smart OTDR in the device list on the home page.

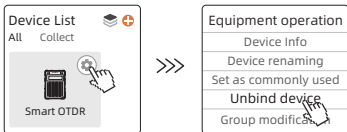


*Software features are being iteratively updated. Please refer to the actual version for details.

APP Control-Unbind

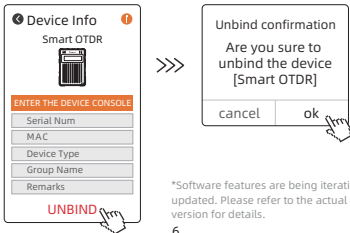
Option 1:

On the home page, tap the "⚙️" settings button, select "Unbind device", and confirm to complete the unbinding.



Option 2:

Scan the device QR code to access the device information screen, tap "UNBIND", and confirm to complete the unbinding.

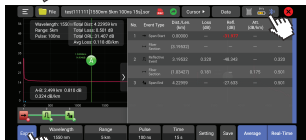
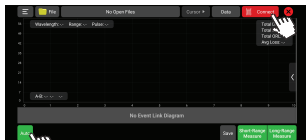


*Software features are being iteratively updated. Please refer to the actual version for details.

APP Control-OTDR

On the APP home page, tap the device image to enter the operation screen. Then tap "  **Connect** " in the upper-right corner and wait for the connection. When it changes to "  ", the connection is successful and you can start measuring.

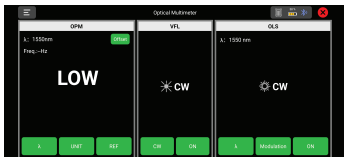
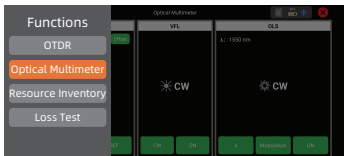
Measurement mode: Switch between " **Auto** " and " **Expert** " in the lower-right corner.



*Software features are being iteratively updated. Please refer to the actual version for details.

APP Control-Optical Multimeter

Tap the "☰" function list icon, select "Optical Multimeter" to enter the optical multimeter operation screen, and you can operate it on the APP while the data is synchronized and displayed on the device.



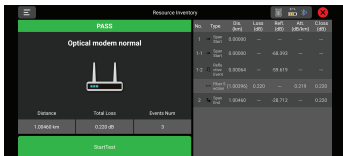
*Software features are being iteratively updated. Please refer to the actual version for details.

APP Control-Resource Inventory

Tap the "☰" function list icon and select "Resource Inventory" to enter the resource inventory operation screen.

One end of the fiber is connected to the optical modem, and the other end is connected to the OTDR interface, with the following results:

- Optical modem normal
- ONT Offline
- Fiber breakage
- Rogue ONT

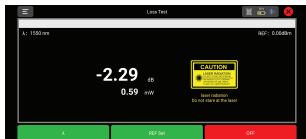
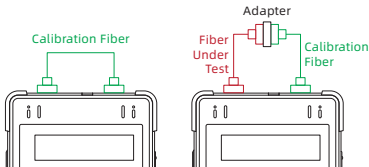


*Software features are being iteratively updated. Please refer to the actual version for details.

APP Control-Loss Test

Tap the "☰" function list icon and select "Loss Test" to enter the loss test operation screen.

When performing a loss test, it is recommended to use a calibration fiber and clean it. After cleaning, connect one end to the OTDR interface and the other end to the OPM interface, then tap "REF Set" to perform the zeroing operation. Afterwards, connect the fiber under test.



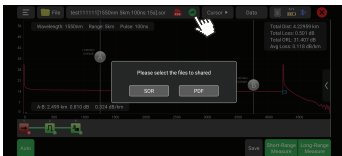
*Software features are being iteratively updated. Please refer to the actual version for details.

APP Control-File

Tap "  File " to view the SOR file.



Tap "  " to share the file. The file is available in both SOR and PDF formats.



*Software features are being iteratively updated. Please refer to the actual version for details.

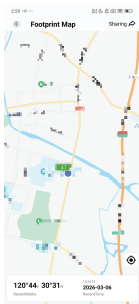
APP Control-Data Center

In Data center, you can view measurement-related information and share it with one click.

- Summary Information: Total Distance Measured, Total Test Duration, Total Number of Measurements
- Measurement Record Details: Today, Last 7 Days, Last 30 Days, Last 1 Year
- Footprint Map



Data Center



Footprint Map

*Software features are being iteratively updated. Please refer to the actual version for details.

Specification

Model	MT-7630
OTDR	
Connection	Bluetooth
Test Wavelength	1550nm
Dynamic Range	22dB
Event Blind Area	2m
Attenuation Blind Area	8m
Test Range	0.1-80Km
Pulse Width	5ns-20us
Measurement Mode	Smart mode/Pro mode
Input Light Detection	Yes
Connector	SC/UPC
OPM	
Measurement Wavelength	850/980/1270/1300/1310/1490/ 1550/1577/1625/1650nm
Test Range	-50 ~ +26dBm
Frequency Identification	Yes
Interface	2.5mm universal connector
VFL	
Output Power	15mW
Wavelength	650±20nm
Operation Mode	CW/ 2Hz Glint
Connector	2.5mm universal connector

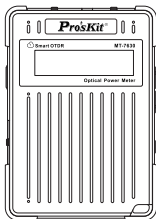
Specification

Model	MT-7630
OLS	
Wavelength	1550nm
Output Power	> -5dBm
Modulation Detection	CW/270Hz/1KHz/2KHz/1KHz+Blink/ 2KHz+Blink
Connector	SC/UPC
General parameters	
Battery	3.7V 1000mAh Lin-ion
Charging	Type-C 5V 0.5A
Working Time	≥3H
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 50°C
Size	102x72x17mm
Weight	100g

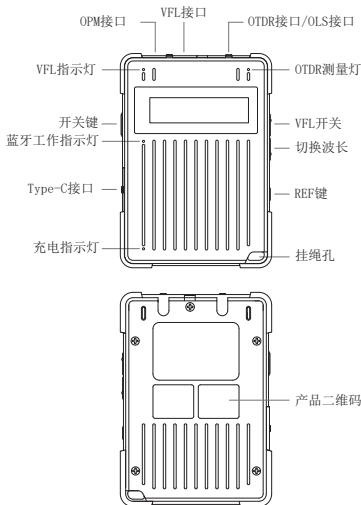


精巧型云计算光时域反射仪 MT-7630

操作手册



外观



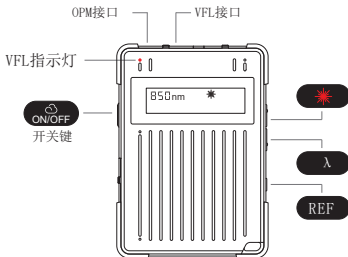
光功率&红光源

光功率 (OPM):

长按“”开机，短按“”键可以切换波长。

红光源 (VFL):

长按“”开机，短按“”键可以在“常亮/闪烁/关闭”之间切换VFL工作状态。



APP控制-TriBrerHome

为获得优质的体验，建议使用APP对产品进行控制。

扫描下方二维码，下载并安装TriBrerHome APP



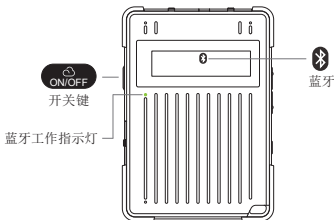
TriBrerHome APP

APP控制-扫码绑定

第一步：

长按“”开机，屏幕上蓝牙标识常亮。

(蓝牙工作指示灯： 常亮：已连接设备  熄灭：未连接设备)



APP控制-扫码绑定

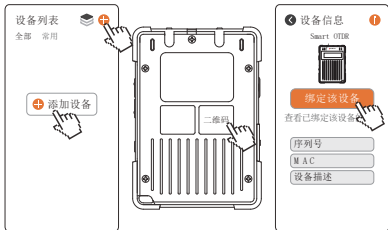
第二步：

在TriBrerHome APP中点击“**+**”图标添加设备，并扫描设备背后的“产品二维码”，选择“**绑定该设备**”完成绑定。

（注意：绑定时设备需处在开机状态。）

绑定成功后

可在主页的设备列表查看并操控Smart OTDR



*软件功能迭代更新中，请以实际版本为准

APP控制-解除绑定

方法一：

在主页点击“”设置按钮，选择“解绑设备”，确认后完成解绑。



方法二：

扫描设备二维码进入设备信息界面，点击“解绑设备”，确认后完成解绑。

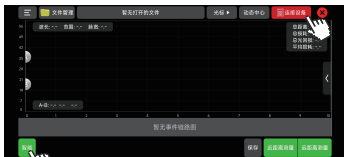


*软件功能迭代更新中，请以实际版本为准

APP控制-OTDR

在APP主页选择需要操作的设备，点击设备图片即可进入操作界面，进入操作界面后点击右上角“连接设备”按钮，等待连接，当变成“100%”时表示连接成功，即可开始进行测量。

测量模式：在右下角选择“智能”与“专业”进行切换。



*软件功能迭代更新中，请以实际版本为准

APP控制-光万用表

点击“”功能列表图标，选择“”进入光万用表操作界面即可在APP上操作，设备上同步显示数据。



*软件功能迭代更新中，请以实际版本为准

APP控制-资源清查

点击“”功能列表图标，选择“”进入资源清查操作界面。

光纤一端连接光猫，一端连接OTDR接口，有以下结果：

- 光猫正常
- 光猫脱落
- 光纤断裂
- 这是流氓猫

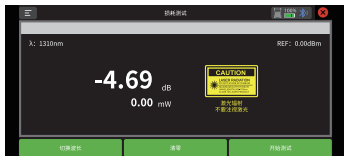
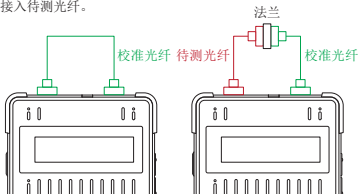


*软件功能迭代更新中，请以实际版本为准

APP控制-损耗测试

点击“”功能列表图标，选择“**损耗测试**”进入损耗测试操作界面。

进行损耗测试时，推荐使用一根校准光纤并清洁后，一端连接OTDR接口，一端连接OPM接口，点击“**清零**”进行清零操作。再接入待测光纤。



*软件功能迭代更新中，请以实际版本为准

APP控制-文件管理

点击“ 文件管理”可查看SOR文件。



点击“ ”可分享文件, 文件支持SOR格式和PDF格式。



*软件功能迭代更新中, 请以实际版本为准

APP控制-动态中心

在动态中心可查看测量相关的信息，支持一键分享。

- 汇总信息：总测量距离、总测量时长、总测量次数
- 测量记录详情：今日已测量、近7日、近30日、近1年
- 足迹地图详情



动态中心



足迹地图

*软件功能迭代更新中，请以实际版本为准

产品规格

型号	MT-7630
OTDR	
连接方式	蓝牙
测试波长	1550nm
动态范围	22dB
事件盲区	2m
衰减盲区	8m
测试范围	0.1-80Km
脉冲宽度	5ns-20us
测量模式	智能模式/专业模式
输入光检测	支持
光连接器	SC/UPC
光功率计	
校准波长	850/980/1270/1300/1310/1490/1550/1577/ 1625/1650nm
测试范围	-50 ~ +26dBm
频率识别	支持
光连接器	通用2.5mm接口
红光源	
功率	15mW
波长	650±20nm
开启模式	常开/闪烁
光连接器	通用2.5mm接口

产品规格

型号	MT-7630
稳定光源	
波长	1550nm
输出功率	$> -5\text{dBm}$
调制模式	连续/270Hz/1KHz/2KHz/1KHz+闪烁/ 2KHz+闪烁
光连接器	SC/UPC
通用参数	
电池	3.7V 1000mAh Lin-ion
充电	Type-C 5V 0.5A
使用时长	$\geq 3\text{H}$
工作温度	$0^{\circ}\text{C} \sim 50^{\circ}\text{C}$
储存温度	$-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$
尺寸	102x72x17mm
重量	100g

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