

MT-7617/MT-7618 多功能光功率计 Optical Power Meter

操作说明书 User's Manual



警告

进行任何本手册未明确允许的改变或改装将使您丧失操作本设备的权利。要减少火灾或电击的危险,切勿将此设备暴露在雨中或潮湿的环境中。为防止触电,请不要打开外壳,必须由有资格的人员进行维修。

注意

由于本机的激光束对眼睛有害,不要试图拆卸外壳,或直视激光输出口。

使用注意事项

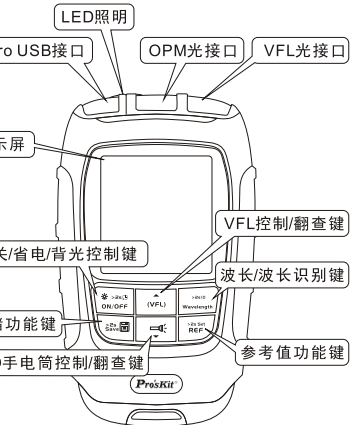
使用电池

1. 本设备可以使用一次性碱电池,也可接入Micro USB连接线直接供电。
2. 切勿将产品放入水中;不要将产品靠近火源或在高温环境下使用。
3. 不要焚烧或毁坏电池,可能会爆炸或释放有毒物质;不要让产品受到强烈冲击。
4. 产品废弃请遵循当地法律法规要求。

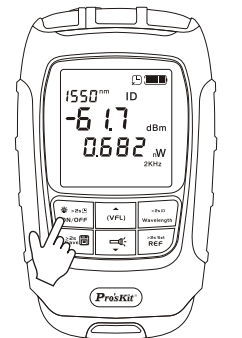
避免结露

应尽可能避免温度的突然变化。将设备从冷的地方搬到热的地方后,或房间内突然升温后,不要立即使用,因为设备内可能结露。

外观

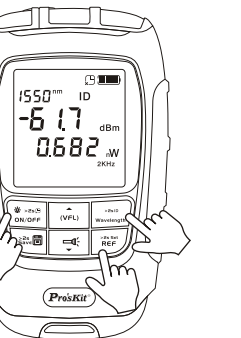


开机和省电



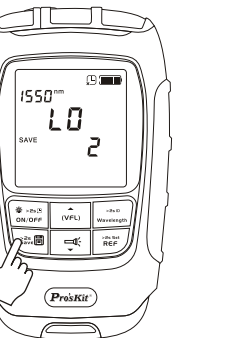
短按“ ON/OFF”键后仪表开启,并且自动启动省电功能,若需要取消该功能,则在开机时按住此键两秒,待“ ”图标亮起后表示取消自动关机。开机后短按“ ON/OFF”键开关背光,长按关机。

光功率计和偏移量(用户自校准)设置



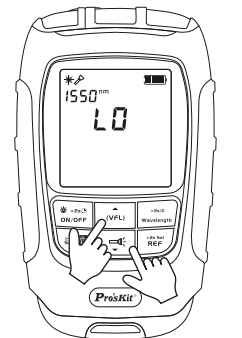
开机后则进入光功率计界面,短按“ REF”键可切换单位和查看REF设定值,长按此键可将当前测量值设定为新的REF值,短按“ Wavelength”键可切换测量波长,长按可开启波长识别功能。关机状态下,长按“ ON/OFF”键+“ Wavelength”键开机进入偏移量设置界面,短按上下键,调整设置偏移量,设置范围[-5,+5],短按“ ON/OFF”键,确认偏移量设置。

光功率存储和查看



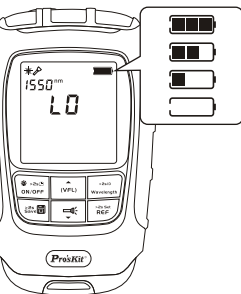
光功率计界面下长按“ SAVE”可将当前测量值存储在仪表内,仪表可存储500条数据,存储按序号自动排列,超过500条则重新从第一条开始存储并将原来的记录替换。短按该键可查看存储记录,用“ (VFL)”“ ”键进行翻页操作。再次按下“ SAVE”退出存储界面。

VFL (选配) 和LED照明



开机后短按“ VFL”键可控制VFL红光源的开关/闪烁。
按“ LED”键可控制LED照明的开关。
(MT-7618具备VFL功能)

电量指示



电量检测有四级指示

-  表示剩余80%---100%的电量
-  表示剩余40%---80%的电量
-  表示剩余20%---40%的电量
-  表示剩余的电量不足20%

产品保固卡

购买日期		店章
公司名称		
联络电话		
电子邮箱		
联络地址		
产品型号	☐ MT-7617 ☐ MT-7618	
产品序列号		

在正常使用情况下,自原购买日起12个月免费维修保证(不含耗材、消耗品及另配工具)。

产品保固卡需盖上店章、日期章,其保固效力始生效。

本卡请妥善保管,如需维修服务时,请出示本卡以为证明。

购买发票可作为服务依据。

保固期满后,属调整、保养或是维修性质之服务,则酌收检修工时费用。若有零件需更换,则零件费另计。

产品保固说明

保固期限内,如有下列情况者,维修中心则得酌收材料成本或修理费(由本公司维修人员判定):

- 对产品表面的损伤,包括外壳裂缝或刮痕;
- 因误用、疏忽、不当安装或测试,未经授权打开产品修理,修改产品或者任何其它超出预期使用范围的原因所造成的损害;
- 因事故、火灾、电力变化、其它危害,或自然灾害所造成的损害。

非服务保证内容:

机件本体之外之附配件:挂绳。

超过保证期限之检修或服务,虽未更换零件,将依公司保固维修政策酌收服务费。

制造商:

宝工实业股份有限公司

销售/生产商:

上海宝工工具有限公司

上海市浦东新区康桥东路1365弄25号

400服务热线: 400-1699-629

电话: 021-68183050

网址: www.prokits.com.tw

MT-7617/MT-7618 Optical Power Multimeter

User's Manual



WARNING

You are cautioned that changes or modifications not expressly approved in this document could void your authority to operate this device.

To reduce the risk of fire or electric shock, do not expose this device to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

NOTE

As the laser is harmful to the eyes, do not attempt to disassemble the cabinet.

Precautions for Use

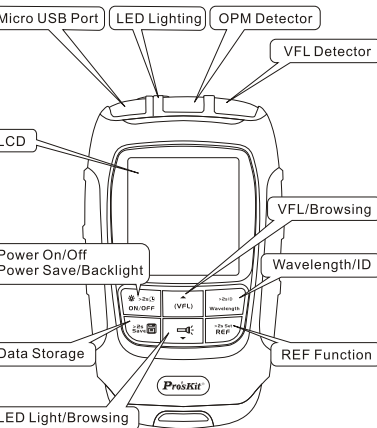
Use batteries

1. The device can be powered by disposable alkaline battery or micro USB cable.
2. Keep the device away from water, fire or high temperature environment.
3. Do not disassemble, open or destroy the inside lithium battery, or set it on fire, which may lead to explosion or release toxic substances. Please keep the device away from strong shock or vibration.
4. Please obey local laws and regulations to solve the discarded products.

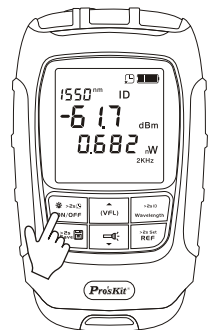
Avoiding condensation problems

As much as possible, avoid sudden temperature changes. Do not attempt to use the device immediately after moving it from a cold to a warm location, or raising the room temperature suddenly, as condensation may form with in the device.

Description

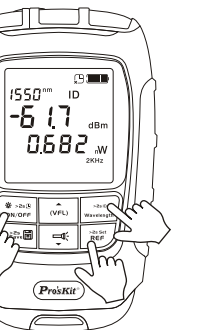


On/Off and Auto-off



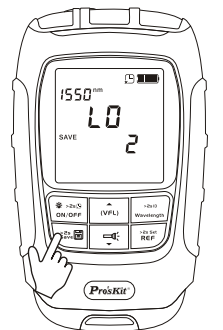
Short press " " to turn on the device with auto-off function; to cancel the function, long press " " until " " appears. After device on, short press " " to turn on/off backlight, long press to turn off the device.

Optical Power Meter and Offset(self-calibration) Setting



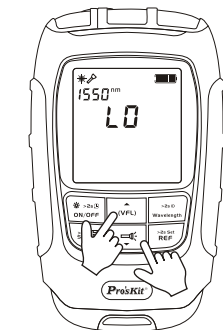
Turn on the device and enter OPM interface, short press " " key to switch unit and check REF value; long press to set current value as new REF value. Press " " key to select the wavelength; long press to open WAVE ID function. Long press " " and " " key at the same time to turn on the device and enter the offset setting interface; press up/down key to set, the range is [-5, +5]; then press " " key to confirm the setting.

Data Storge



Long press " " to save the current OPM value, Max 500 data storage; the initial data will be covered after more than 500 data are saved. Short press to check the saved data; switch pages by " " and " ". Press " " again to exit data storage.

VFL(optional) and LED Lighting

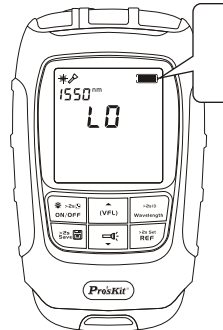


Short press " " Controllable VFL switch / flicker.

Short press " " to turn on/off LED lighting.

(The VFL function is applicable to MT-7618 only.)

Power Indicator



Four levels indication of power detection

-  Remain 80%---100%
-  Remain 40%---80%
-  Remain 20%---40%
-  Remain less than 20%

Detailed

	MT-7617	MT-7618
Detector Type	InGaAs	
Wavelength Response Range	700-1700nm	
OPM Connector	2.5mm universal connector	
Measurement Wavelengths	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm	
Measurement Range	-70~-+10dBm	-50~-+30dBm
Resolution	0.01dB	
Accuracy*	±0.2dB(1310/1550nm) ±0.3dB(850/980/1300/1490/1625/1650nm) ±1dB(1270/1577nm)	
Unit	dBm, dBm, mW, uW, nW	
Modulation Detection	270/1k/2kHz	
Data Storage	500 groups	
Wavelength Memory	Yes	
WAVE ID	Yes(Only for Prokits' light source products)	
User Self-calibration	Yes	
REF	Yes	
Back Light	Yes	
Output Power	No	1mW
Testing Distance*	No	3-5km @SM
VFL Connector	No	2.5mm universal connector
Wavelength	No	650±20nm
Operation Mode	No	CW/2Hz Glint
Illumination	LED	
Auto Power-off	Yes(no operation in 10 minutes)	
Low Battery Indicator	Battery level	
Power Supply Socket	Micro USB	

Detailed

Working Time	AAA alkaline battery>100 hours(only OPM)
Power Source	1.5V AAA*2
Operation Temperature	-10~50℃ <90%RH
Size	98*59*27mm
Weight	70g(W/O battery)

* at 20°C ±2°C, 40%-60%RH, with standard testing fiber.
* MT-7617 Accuracy range: +3dBm~-60dBm. Others as following:
±0.8dB: +3dBm~+6dBm, -60dBm~-65dBm@1550nm wavelength
±3.0dB: +6dBm~+10dBm, -65dBm~-70dBm@1550nm wavelength
* MT-7618 Accuracy range: +23dBm~-40dBm. Others as following:
±0.8dB: +23dBm~+26dBm, -40dBm~-45dBm@1550nm wavelength
±3.0dB: +26dBm~+30dBm, -45dBm~-50dBm@1550nm wavelength
* Testing distance will be influenced by environment and visual sensitivity

Pro'sKit®



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