Pro'sKit®

USER'S GUIDE

OPTICAL FIBER IDENTIFIER

MT-7901

English

WARNING

You are cautioned that changes or modifications not espressly approved in this document could void yout authority to operate this equipment.

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

To avoid damage, do not open the cabinet. Refer servicing to quali-fied personnel only.

Precautions for Use

Use batteries

At the same time, can not use different style or different capacitance batteries.

Avoiding condensation problems

As much as possible, avoid sudden temperature changes. Do not attempt to use the drive immediately after moving it from a cold to a warm location, to raising the room temperature suddenly, as condensation may form with in the drive. If the temperature changes suddenly while using the drive, stop using it and take out batteries for at least an hour.

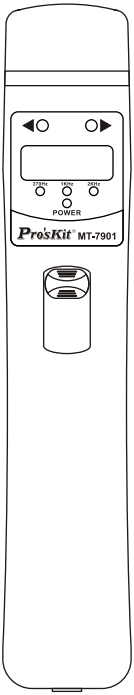
Storage

When long time no use, must take out the batteries to avoid destroying the device.

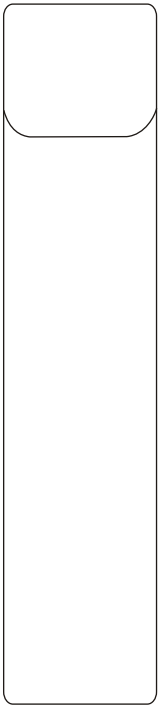
First check the accessories

(If any accessory isshort please relate withthe dealer ASAP)

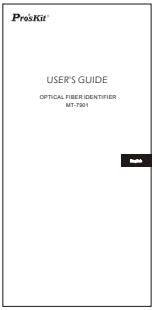
Standard



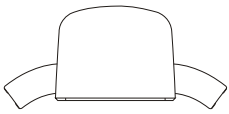
Host



Portable package

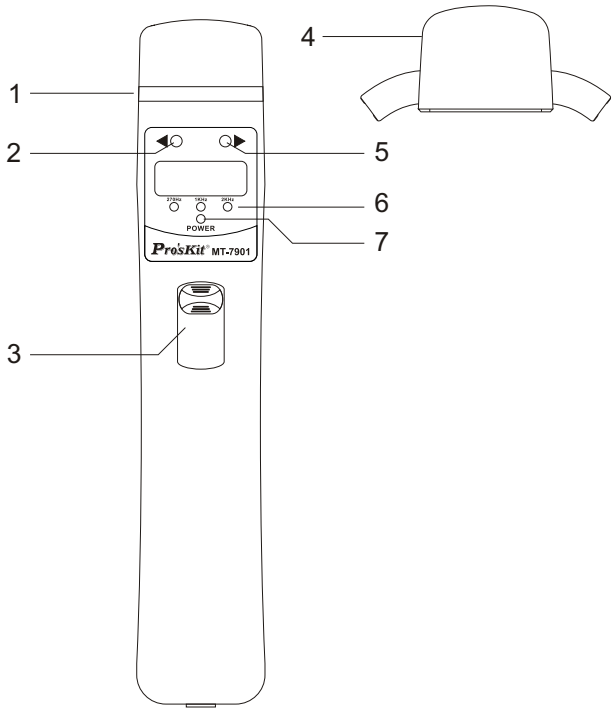


Manual



Hood

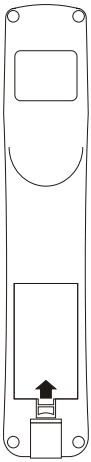
Description



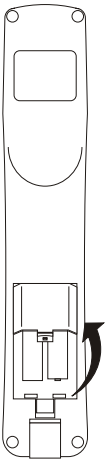
1-Fiber location
2-Left indicative led
3-Trigger of the fiber identifier
4-Hood
5-Right indicative led
6-Frequency indicative led
7-power indicative led

Battery set

Warning:At the sametime, can not usedifferent style and different capacitance batteries.



1.Push the tip



2.Open the battery slot

3.Replace the batteries

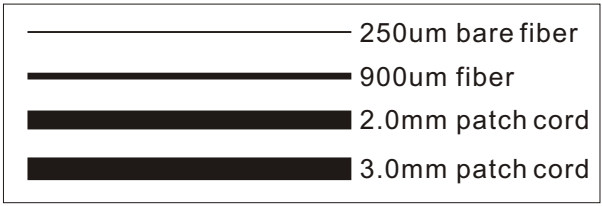
4.Close the battery slot

Availaber for different Fiber

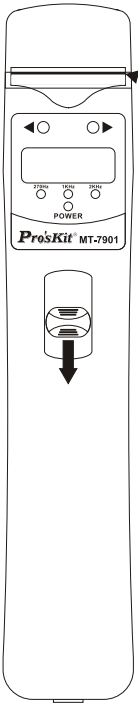
1.Available for 800nm~1700nm laser signal

2.Based on non-destructive technology

3.No need to replace the clamp block for different fiber



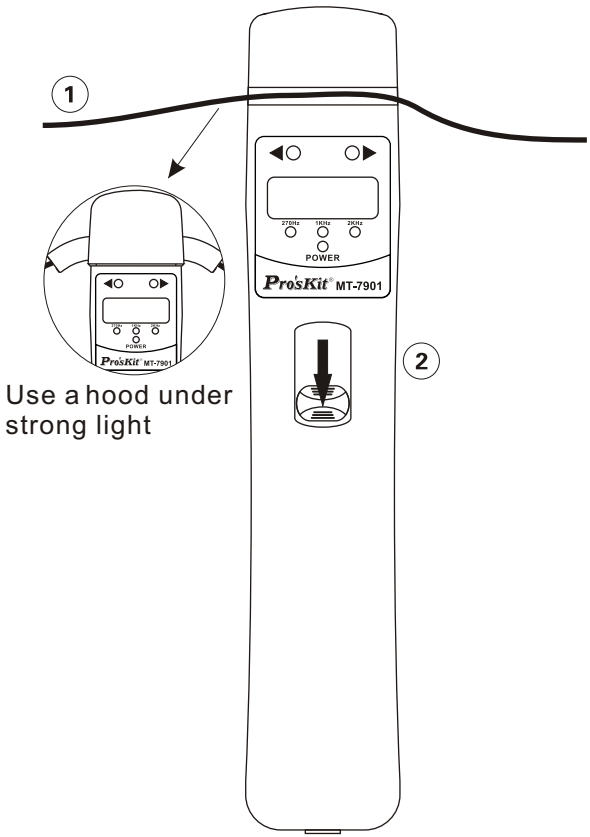
Availaber for different Fiber



When measuring 2.0mm and 3.0mm fiber jumper, you must see the prompt line to ensure the correct measurement.

Note: due to different manufacturing processes of fiber optic jumpers, it is not guaranteed that all jumpers can be measured.

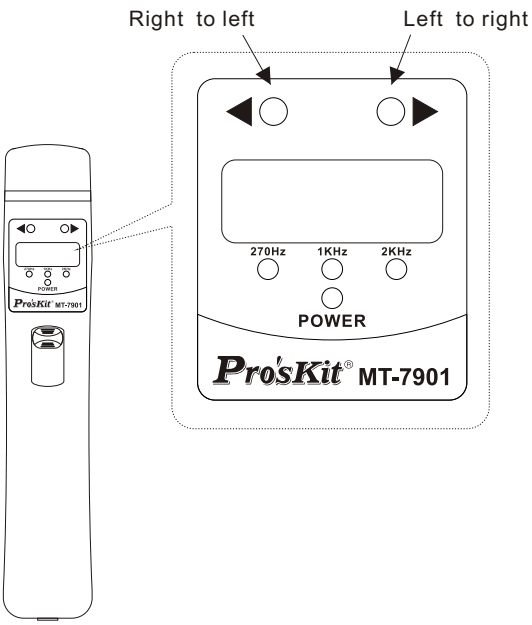
Operation



Put the fiber into the fiber location and push down the trigger to begin testing. After 1~3 seconds, it output the results.

The data in the LCD means the signal intensity, if too weak, it will be "NO".

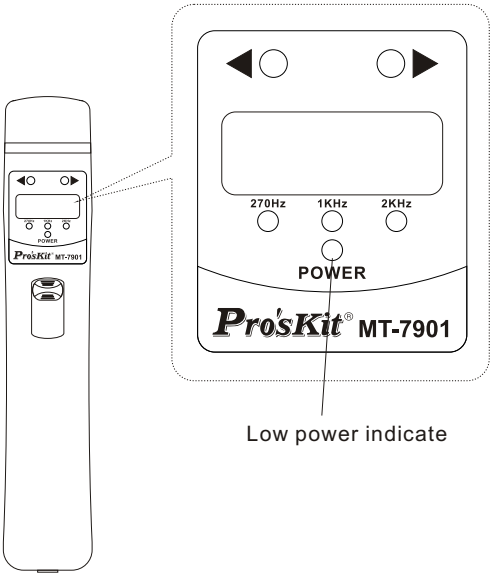
Direction and tone



It is the main function to test the direction of the signal in the fiber. The corresponding indicative led will be on.

And if the signal carrys different frequency--270Hz, 1kHz, 2KHz, the indicative led will be on also.

Low power indicate



When the equipment is operated, the "POWER" led is always on, it means the battery is fully charged and you can keep using it. When the "POWER" led flash, it means low battery energy, please replace the batteries.

Maintenance and calibration

Routine attention

1.Fiber-optical adapter should keep clean.

2.Please store the device in dry and ventilated place.

3.The long period no use , please take out the batteries.

Common malfunction

Described	Malfunction cause	Handle way
Cant turn on	No battery	Check battery setting
After turn on shut it immediately	Check battery capacities	Change battery
Wrong identification	Unavailable fiber	Change fiber
Display the messy code	Low battery	Change battery
Can't identification	Wrong location	Test again

Detailed parameter

Sensitivity	250um fiber@1550nm=-30dBm 900um fiber@1550nm=-30dBm 2.0mm fiber@1550nm=-30dBm 3.0mm fiber@1550nm=-25dBm	250um fiber@1310nm=-25dBm 900um fiber@1310nm=-25dBm 2.0mm fiber@1310nm=-25dBm 3.0mm fiber@1310nm=-20dBm
Max. Input	+5dBm	
Wave respond	800nm~1700nm	
Clamp loss	<2.5dB Typical	
Power Supply	AA size Alkaline cell or Ni-MH cell	
Battery life	>6000 times	
Frequency identify	270Hz/1KHz/2KHz	
Fiber type	Ø 250um/900um/2.0mm/3.0mm SM fiber ①	
Sound warn	Yes	
Defend splash	A small amount	
Fiber press	<100KPSI	
Auto power off	Yes	
Store temp	-20℃---+70℃	
Operate temp	0℃---+50℃	
Humidity	<90% no dew	
Weight	200g	
Size	43mm (L) *47mm (W) *230mm (H)	

① For 3mm fiber, the performance decrease 30%. Black fiber is not measuring.