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## China make Optical Light Source GW3100 Series

**GW3100** optical light source can provide 1 to 4 output wavelengths to meet specific requirements, including the 650nm red source and the 1310/1550nm wavelengths for single mode fiber or the 850/1300nm wavelengths for multimode fiber, as well as other wavelengths according to customer needs. Together with the GW3200 optical power meter, it is a perfect solution for the fiber optic network characterization.



### Features

- Provides 1~4 output wavelengths which can be optional according to customers needs
- CW, 2Hz modulation output at 650nm, and CW, 270Hz,1KHz,2KHz modulation output at other wavelengths.
- High stability of the output power
- Stable output wavelength
- Backlight LCD display supports night operation
- Compact size and decent appearance
- Large LCD, easy operation

### Applications

- Maintenance in Telecom
- Maintenance CATV



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Test Lab of optical fibers  
Other Fiber Optic Measurements

## Specifications

Item	General configurations	Special configurations for PON light source	Other Options
Calibrated wavelength (nm)	GW3100A: 1310/1550	GW3100B: 1310/1490/1550	GW3100C: 1310/1550/1625 GW3100D: 1310/1550/1490/1625 GW3100E: 850/1310/1550 GW3100F: 850/1300/1310/1550 GW3100G: 850/1310
Light-emitting device	FP-LD		
Optical output power (dBm)	-7/-7	-7/-7/-7	0DB-7DB
Modulation	CW/270/1K/2K		
Type of optical fibre	SM, MM		
Connector	FC/PC		
Working temperature (°C)	-10~+60		
Storage temperature (°C)	-25~+70		
Auto power-off time (min)	10		
Dimensions (mm)	190×100×48		
Power supply	Rechargeable lithium battery/dry battery		
Weight (g)	400		

## INSTRCUTION

### MANUAL

#### Function Description

##### Optical output

Connect FC optical fibre connector to the signal receiver of the device to be measured.

##### 2. LCD

LCD displays the length of optical wave.

##### 3. ON/OFF





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While in power-off state, press it to power on the device.

While in power-on state, short press it (for less than 3 seconds) to enable or disable

AUTOOFF function. If

the icon "AUTOOFF" appears in the screen, the device will automatically turn off if there are no operations within 10 minutes. If the icon "AUTOOFF" doesn't appear in the screen, it indicates that the "AUTOOFF" function has been disabled.

While in power-on state, long press ON/OFF key (for at least 3 seconds) to turn off the light source.

4. WAVE  
Press the key to select output wavelength, the value will appear in LCD.
5. MODE  
Switch the modulation frequency of light source between CW, 270Hz, 1000Hz and 2000Hz.
6. LIGHT  
Press this key to turn on/off the backlight.

## Operating Instructions

1. Connect the optical fibre connector to output port.
2. Press ON/OFF, the working indicator turns on.
3. Press WAVE key to adjust modulation
4. frequency of light source.
5. Press MODE key to adjust modulation
6. frequency of light source.
7. All status indicators of portable stabilized light source will appear in LCD. when the battery is going to run out, the power volume indicator will blink once a second, the device will automatically power off after the indicator blinks for ten times; if so, you can insert the device into supplied charger for charging (see the Figure on the right).
8. Power Off: Press ON/OFF on the panel, the indicator turns in dark, information disappears from LCD, the device is powered off.



## Standard Package

- 1.The main body
- 2.Warranty card
3. Soft carrying bag
4. Certificate

## Maintenance

### Precautions

1. Don't watch the output port with eyes while it is running, the laser will hurt your eyes.
2. If you are not going to use the tester for long time, cover the dust-proof cap immediately to keep the end clean, don't expose it in air for long time, otherwise dust may gather polluting the output end.
3. After the stabilized light source works for a time, dirt or dust may gather at output end reducing output optical power, if so, user can gently wipe the surface using cotton swab dipped with alcohol,



then remove the contaminants with dry cotton swab. If end still look dirty after doing so, please contact us.

4. If you are not going to use the tester for long time, please take out the battery, so as to prolong life of battery.

5. For any other fault, please immediately contact our technician, don't open the cabinet of the device to repair it by yourself, otherwise more serious problems may occur. We will not repair any product that have been disassembled by user himself.

## Troubleshooting

SN	Diagnosis	Solution
1	Output light is found unsteady	Please replace the battery
2	The terminal of adapter is dirty	Clean it gently with alcohol
3	The output optical power is unsteady after startup.	Pre-warm the device for 15 minutes before using it.