

# B0650 LD LIGHT SOURCE

## Operation Instructions



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# 1. Features

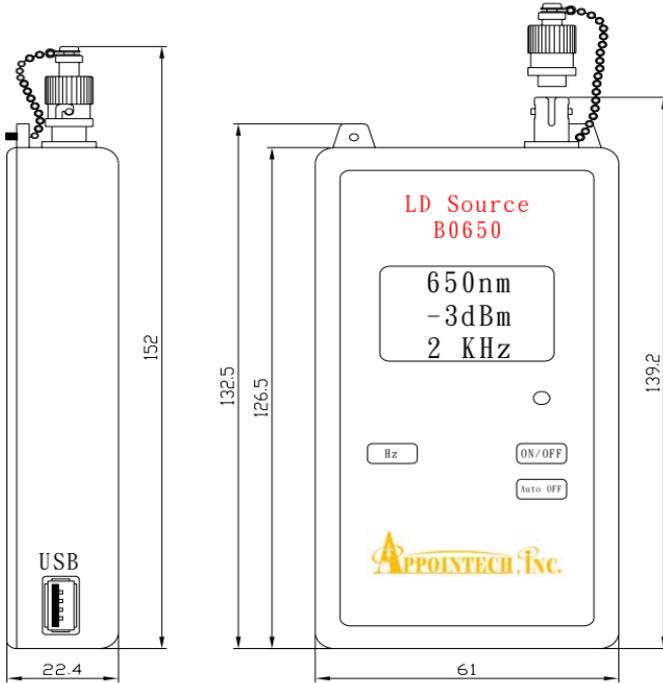
The Appointech B0650 handheld stable LD light source has wavelength output 650nm from. The standard output power is  $-3\text{dBm}$  when in DC mode, which is stabilized by a proprietary circuit design .The operation is very user-friendly. When turn-on with the ON/OFF switch, the output power is DC, as displayed on the LCD.

The output power can be modulated by 10, 270, 1K, or 2K Hz square wave, as selected with the “Hz” switch. The power reading of modulated output is the average value, which is different from that when in DC mode. The unit can be used as a fiber fault locator when 10Hz modulation is selected.

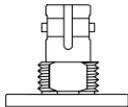
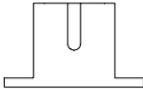
When the unit is turned on, the auto-off feature is enable, as indicated by a cross on the power symbol. The unit will be automatically shut off after about 10 minutes on-time for saving the battery life, in case not in use for a prolonged time. To turn it back on, press the ON/OFF switch again. The auto-off feature can be disabled by pressing the “Auto Off” switch, as indicated by the power symbol without a cross.

A battery symbol shows the level of remained power in the battery. When an empty battery symbol is shown on the LCD display, the battery power is too low to assume proper operation. Charging is required. The included rechargeable battery works with a power adaptor of a USB connector, which is also included. When charging in OFF-mode, the indicator LED is on until charging has been completed.

## 2. Functions



Unit:mm



FC, SC, ST Connector

ON/OFF

Power switch

$\lambda$

Wavelength selection

Hz

Modulation Indicator

Auto OFF

Auto off  
enabled/disabled

### 3. Operation

1. Press ON/OFF switch to turn on. The output of wavelength 650nm in dBm is displayed. The unit is at Auto-Off mode, as indicated by a cross on the power symbol. If press ON/OFF switch again, the power is turned off.
2. Press Hz switch for modulated output at 10, 270, 1K, or 2KHz.
4. The auto-off feature can be disabled by pressing the “Auto Off” switch, as indicated by the power symbol without a cross.
5. When charging is required, plug in the USB plug of the power adaptor. When charging at OFF-mode, the indicator LED is on until charging has been completed.

## 4. Specifications

Wavelengths (FP LD)	650nm
Stability (1 hour)	±0.05dB
Power Output Into 9/125um fiber	-3dBm.
Modulation frequencies	10Hz, 270Hz, 1KHz or 2KHz
Optical connector interface	FC,SC or ST
Power	Rechargeable Lithium battery, works continuously 8 hrs after 2 hrs full charge
Auto Off	10min
Operation Temperature, Humidity	-15°C ~50°C 0~95%RH
Storage Temperature, Humidity	-35°C ~70°C 0~95%RH
Dimensions (length x width x height)	16x7x3 cm (measured without case)
Weight (w/batteries)	<0.2 Kg

# **Appointech Inc.**

## **Products Profile**

### **Connectorized Modules:**

LD, LED, PIN, PIN-TIA  
Dual LD, Dual LED, BIDI

### **Transmitter/Receiver Modules:**

Std. 1x9, 2x9; SFF, SFP,  
BIDI  
Bit Rate up to 2.5Gb/s

### **Test Instruments:**

LD, LED Stable Source  
Power meter, Fiber Fault Locator

### **Custom Design**

OEM

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