

## B2000 Dual LD Light Source



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The Appointech B2000 handheld single-head dual LD stabilized light source has output wavelengths of 1310 or 1550nm. The output power is highly stabilized by a proprietary circuit design. The operation is very user friendly. After turning on with the ON/OFF switch, 1310nm wavelength and its output power are shown on the LCD. The wavelength is selected by pressing the  $\lambda$ -key. The output power for each wavelength is preset at  $-3$  dBm, or at a customer-defined value. The output can be DC, or modulated at 270Hz, 1KHz, or 2KHz by pressing the Hz-key, which is also shown on the LCD. When in Auto-Off mode, as indicated by a power symbol with a cross on the LCD, the power will be shut off after about 10 minutes on-time for 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 key, as indicated by a power symbol without a cross. When the battery power is too low to assume proper operation, an empty battery symbol is shown on the LCD display. The included rechargeable battery works with a power adaptor of a USB connector, which is also included. When charging is in OFF-mode, the indicator LED will be on until charging has been completed.

### Features

- Single-head selectable wavelength of 1310 or 1550 nm
- Ultra high output stability  $\pm 0.05$ dB
- High output power preset at  $-3$  dBm, or at customer-defined value
- Selectable CW, 270 Hz, 1KHz or 2KHz modulated output
- Small size, easy for field applications
- Light weight, less than 0.2Kg
- Auto power shut-off can be disabled
- Auto laser shut off at above  $60^{\circ}\text{C}$
- Rechargeable battery, Battery-full and Battery-low indicator

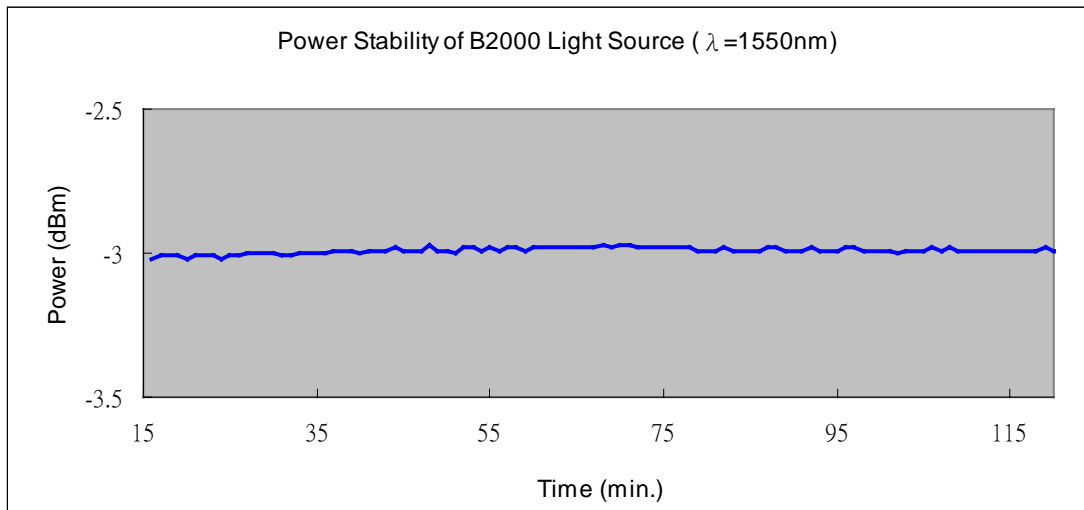
### Applications

- Component measurements
- Fiber network tests
- Transmission loss measurement
- Sensing systems
- Calibration of optical receivers
- Material analysis and laboratory research

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### Specifications

Wavelength Central Spectral Width	1310 and 1550 nm +/- 20nm for FP LD < 4 nm
Stability (1 hr)	±0.05dB
Power Output: (Into 9/125um Fiber)	-3dBm (or customer specified)
Power Output Uncertainty	0.5 dB
Functions	ON/OFF (Power switch) λ(Wavelength select between 1310 and 1550 nm) Hz (Modulated output mode) Auto shut off at 60°C Auto shut off after 10 minutes turn-on time Auto shut off disabled Low battery power indication
Modulation Frequencies	270Hz, 1kHz or 2kHz
Optical Connector Interface	FC or ST or SC, adapter for other connector available
Power	Rechargeable Lithium battery, works continuously for 8 hrs after 2-hrs full charge
Environmental: Operation Temp. Humidity Storage Temp. Humidity	-15°C to 50°C, 0-95% RH (non-condensing) -35°C to +70°C, 0-95% RH (non-condensing)
Dimensions (Length x Width x Height)	16x7x3 cm (measured without case)
Weight (w/ batteries)	<0.2Kg



**Standard Deviation=0.01dB**

### Ordering information

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Connector type  
SC, FC, ST

Output Power  
e.g. 3 for -3 dBm

## B2000 Dual LD Light Source

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- Options: Standard Multi-units Carrying Case  
 Heavy-Duty Multi-units Carrying Case  
 Receptacle Converters

