

A2000 Dual LED Light Source



The Appointech A2000 hand-held single head dual LED light source has output wavelength of 850 or 1300 nm, selected from the front panel switch. The output power is stabilized by a proprietary circuit design. The operation is very user-friendly. After turn-on with the ON/OFF switch, 850nm wavelength and its output power are shown on the LCD. The wavelength is selected by pressing the λ -key. The output power is preset at -16 dBm for 850nm, and -20 dBm for 1300nm, respectively. 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 850 or 1300 nm
- Very stable output power ± 0.05 dB
- output power preset at -16 dBm for 850nm, and -20 dBm for 1300nm
- 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
- 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
- Laboratory research

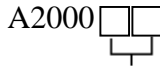
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Specifications

Wavelength Central Spectral Width	850 +/- 30 nm <60 nm	1300 +/- 40 nm <180 nm
Stability (1 hr)	±0.05 dB	
Power Output: Into 62.5/125um Fiber (Into 50/125um Fiber)	-16 dBm -19 dBm	-20 dBm -23 dBm
Power Output Uncertainty	0.3 dB	
Functions	ON/OFF (Power switch) λ (Wavelength select between 850 and 1310 nm) Hz (Modulated output mode) 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	

Note: specifications subject to change without notice.

Ordering information

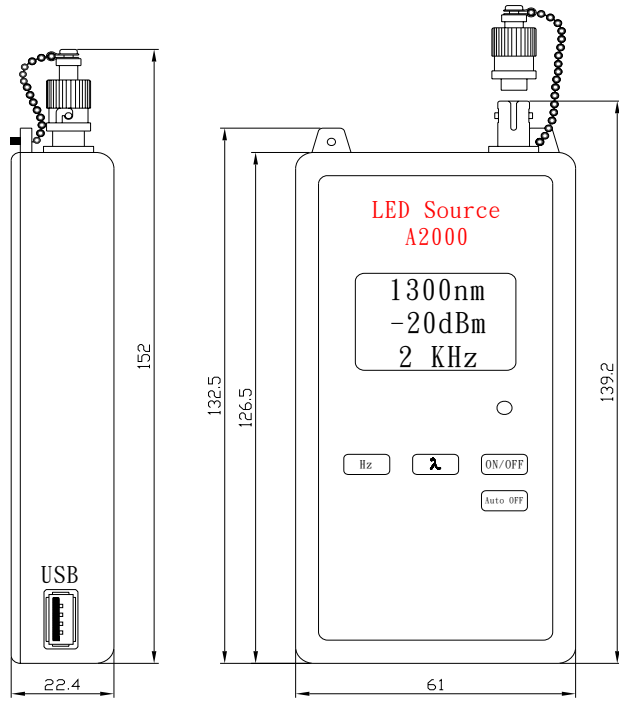


Connector type
SC, FC, ST,
Or universal UV

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

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Unit:mm

