

A1385 LED Light Source

The Appointech A1385 handheld stabilized LED light source has dual wavelength outputs, 1310 or 850 nm, selectable 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, the output wavelength is 850nm, as indicated by the right LED lamp, and the output power is DC. The 1310nm output wavelength can be selected with



the λ /switch, and is indicated by the middle LED lamp. When the λ /switch is pressed again, the right LED lamp is on to indicate 850 nm output. The modulated output can be selected with the MOD switch, as indicated by the left LED lamp. The modulation frequency is set with a switch located inside the battery compartment. 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, and follow the same procedure as stated above. In case the battery power is too low to assume proper operation, the output indicating LED will blink. New batteries are required.

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Features

- Selectable wavelength 850 or 1310 nm
- Selectable CW to 2KHz modulated output
- Very stable output power ± 0.05 dB
- Small size, easy for field applications
- Light weight, less than 150g
- Auto power shut-off for battery life
- 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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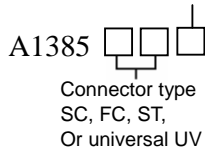
Specifications

| | | |
|--|---|-------------------------------|
| Wavelength Central Range Spectral Width | 850 nm 830 - 870 50 | 1310 nm 1260 - 1340 120 |
| 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 | 0.5 dB | |
| Functions | ON/OFF (Power switch and continuous wave output mode) λ(Wavelength select between 850 and 1310 nm) MOD (Modulated output mode) Auto shut off after about 10 minutes turn-on time | |
| Modulation Frequencies | 270Hz, 1kHz or 2kHz (Switch accessed in battery compartment) | |
| Optical Connector Interface | FC or ST or SC, adapter for other connector available | |
| Power | 2 AA alkaline batteries /AC110V or AC220V electrical power supply | |
| Environmental: Operation Temp. Humidity Storage Temp. Humidity | 5°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) | 115 x 66 x 23 mm (4.5 x 2.6 x 0.9 in.) | |
| Weight (w/ batteries) | 145g | |

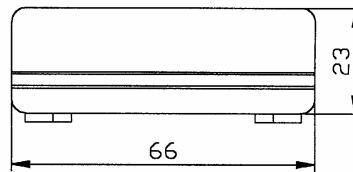
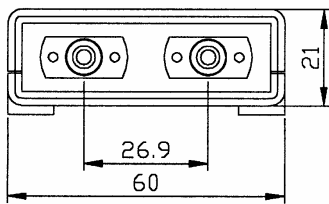
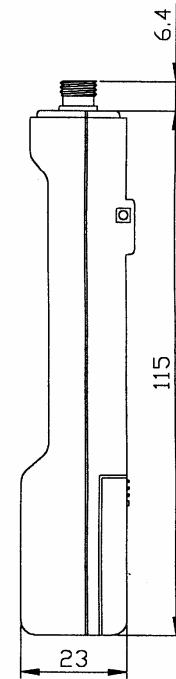
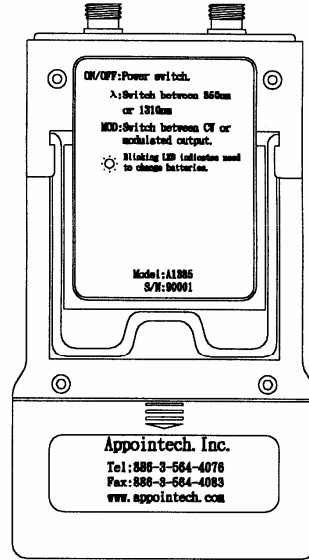
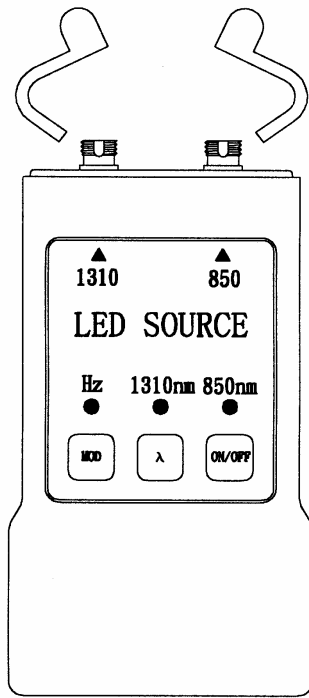
Note: specifications subject to change without notice.

Ordering information

- 1 for AC 110V electrical power supply
- 2 for AC 220V electrical power supply
- 3 for 2AA alkaline battery supply



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