

# LS200/LS300/LS500 Light Source

## Overview

LS series light source is qualified in optical network, CATV and FTTX maintenance. Together with our optical power meter, it is a perfect solution for fiber optic network applications.

## Key Features

- Multi wavelength output,
- CW mode or modulated mode, 270HZ,330HZ,1KHZ,2KHZ
- Adjustable output power
- 30 hours working time



## Specifications

| Model                                  |   |
|--|---|
| LS200A Light source(single wavelength) | 1310, 1490, 1550 nm   |
| LS200B Light source(double wavelength) | 1310 / 1550 nm,850 / 1300 nm  |
| LS300A Light source(double wavelength) | 1310 / 1550 nm,850 / 1300 nm / visible light source                 |
| LS300B Light source(triple wavelength) | 1310 / 1550 nm / 1490 nm / visible light source                     |
| LS500 Light source(Multi wavelength)   | 1310 nm / 1550 nm / 1490 nm / 850 nm / 1300 nm / visible; SM and MM |

## Specifications

| Model                 | LS200A-A   | LS200A-B                       | LS200B                         | LS300A  | LS300B  | LS500   |
|-----------------------|--|--------------------------------|--------------------------------|---|---|---|
|                       | Singel Wavelength Light Source                                   | Double Wavelength Light Source | Double Wavelength Light Source | Double Wavelength Light Source                                      | Triple Wavelength Light Source                          | Multi-Wavelength Light Source                           |
| Central wavelength    | 1310±20nm  | 1550±20 nm                     | 1310&1550±20 nm                | 1310 ± 20 / 1550 ± 20   | 1310 ± 20 / 1550 ± 20/10 / 1490 ± 10                    | 1310 ± 20 / 1550 ± 20 / 1490 ± 10 / 850 ± 26 / 1300 +50 |
| Laser transmitter     | FP-LD  |                                |                                | FP-LD(Default), DFB   |   |   |
| Output power          | +3 ~ -5 dBm<br>Stepping 1dB                                      |                                | -3 dBm                         | +3 ~ -5 dBm<br>Stepping 1dB   | SM: 1310, 1490, 1550, 1,0,-1<br>MM: 850, 1300, -5,-6,-7 |   |
| Fiber                 | SM   |                                |                                | SM, MM:62.5/125µm(Default) 50/125µm                                 |   |   |
| Power stability       | ±0.05 dB@20°C 1h<br>±0.1 dB@20°C 8h<br>After a 15-minute warm-up |                                |                                | ±0.05 dB@20°C 0.5h<br>±0.08 dB@20°C 8h<br>After a 15-minute warm-up |   |   |
| Optical adapter       | FC/APC   |                                |                                | FC/APC( Default ), FC/APC, SC/APC, SC/APC                           |   |   |
| Tone generation       | 270 Hz, 1 kHz, 2 kHz   |                                |                                | 270 Hz, 1 kHz, 2 kHz  |   |   |
| Power                 | 2×1.5V AA batteries or rechargeable Ni-MH batteries              |                                |                                | 3×1.5V AA batteries or rechargeable Ni-MH batteries                 |   |   |
| Battery life          | >30 h (Light on, backlight off)                                  |                                |                                | >30 h (Light on, backlight off)                                     |   |   |
| Operating Temperature | -10°C ~ +60 °C   |                                |                                | -10°C ~ +60 °C  |   |   |
| Dimensions            | 119mm×70mm×29mm  |                                |                                | 185mm×85mm×45mm   |   |   |
| Weight                | 200g ( Battery is exclusive )                                    |                                |                                | 320g ( Battery is exclusive )                                       |   |   |