

TM102N Optical Light Source



Introduction

TM102N Optical laser light source is a self-developed instrument, Which features advanced control technology , high output, ultra low-power operation. It can work at 1625nm, 1550nm, 1490nm, 1310nm, 1300nm, 850nm、 650nm, single wavelength, dual-wavelength or tri -wavelength. It can export a variety of modulation frequency (CW, 270HZ, 1KHZ, 2KHZ). It is widely used in optical communication, optical measurement, optical fiber sensing, and so on.

Specification

Type	TM102N
Emitter Type	FP-LD
Wavelength (nm)	650、 850、 1300、 1310、 1490、 1550、 1625 (1-3 wave)
Optical Connector	FC (SC/ST can be optional)
Output Power(dBm)	$\geq 3\text{m w}$ @ 650nm; $\geq -7\text{dBm}$ @ 850/1300nm $\geq -7/0\text{dBm}$ @ 1310/1490/1550/1625nm
Output Stability(dB)	$\pm 0.04@20^{\circ}\text{C}@15\text{min}$
Modulation Frequencies	CW,2Hz@650nm;CW,270Hz,1KHz,2KHz@others
Fiber Type	SM、 MM
Power Supply	AAA 1.5V(3pcs batteries)
working time(h)	40hours
Operating Temperature($^{\circ}\text{C}$)	-10 \sim +50
Storage Temperature($^{\circ}\text{C}$)	-20 \sim +70
Dimension(mm)	125*65*29mm
Weight(g)	160

Features

- ◇ Good stability in output power
- ◇ Optional auto-shutdown
- ◇ Large LCD display and backlight
- ◇ Battery power display

Applications

- ◇ Maintenance Telecom
- ◇ Maintenance CATV
- ◇ Test Lab of Fiber Optic
- ◇ Optical fiber sensors