

Bench Top Multi-channel Stable Light Source



Maxwellon TF-2304 series Bench Top Multi-functional Stable Light Source, with DFB laser as emitter source, integrated with automatic temperature control (ATC), automatic power control (APC), and RS232C communication control. It supports 6/8/10/12/18 channel stable light source. Typical application wavelength of CWDM is 1270nm ~1610nm or 1271nm ~ 1611nm; DWDM wavelength follows ITU-T standards; Other wavelength is available to custom-made.

Features:

- Support 6-18 channels
- DFB Laser as emitter source
- High Stable Test Light Source, easy to use

Application

- Optical fiber sensing test
- Automatic optical test system construction
- Manufacture of optical device and optical module test
- Telecommunication network

Specification

Specification	CWDM (1270-1610nm)	CWDM (1271-1611nm)	DWDM
Central Wavelength	1270~1610±2	1271~1611±2	1528.77~ 1610.06±0.1
Spectral Width (nm)	±0.5 (-20dB)	±0.5 (-20dB)	2.5GHz (-3dB)
Output Power	≥0	≥0	≥10
Emitter Device	DFB		
Fiber Type	Single Mode, SMF-28e		
Output Attenuation	Stepping Adjustment		
Short-term Stability	< ±0.005dB (15 minute)		
Long-term Stability	< ±0.03dB (8hour)		
Optical Interface	FC/PC、FC/UPC、FC/APC、ST/APC、SC/APC		
Data Interface	RS232C/USB (optional)		
Operating Temp.(°C)	0~+40°C		
Storage Temp. (°C)	-20~+70°C		
Power Supply	AC 100~240V/50~60Hz/3A		
Dimension	3U		

Ordering Information

Channel No.	Operating Wavelength	Output Power	Optical Interface
6-18	1270 ~ 1610nm	00=0dB	FC=FC/UPC
	1271 ~ 1611nm	01=1dB	AFC =FC/APC
	1528.77 ~ 1610.06nm	10=10dB	ASC=SC/APC AST=ST/APC

For Example

TF2304-8-1270-05-ASC.

8 channel, operating Wavelength 1270-1610nm, 5dB output power,. With SC/APC interface.

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