

OPL3000电动式偏振发生器

OPL3000 Motorized Polarization Scrambler

产 品 规 范

Specification



Revision History

Rev.	Date	Revision History	Originated by	Signed by
1.0	27/06/2019	Initial release	Chen Xin	XiaoWei.Lai

概述 Descriptions

OPL3000 是通过程序指令进行电动控制的偏振发生器，它的偏振控制性能可以增强测量速度和精度，提高整体生产力。整条连续长的光纤决定了大功率和极低的插入损耗，特殊的设计可提供大范围的自动扫描率和高递增的角度分辨率。四个光纤环结构，功率变化极低，控制能力良好。OPL3000 电动式偏振发生器设计可靠，从器件测试到偏振模色散PMD的相关活动活动，使用范围非常广泛。

The OPL3000 Motorized Polarization Scrambler is a program motorized control polarization scrambler. Its polarization controlled capability enhances measurement speed, accuracy, and overall productivity. The continuous length of fiber enables high power and ultra-low insertion loss. This design offers a wide range of Auto Scan rates and high incremental angular resolution. Four-fiber knob loop design has proven to provide excellent control with ultra-low power variations (PDL). This reliable design allows for a wide range of applications from component testing to PMD related activities.

特点 Features

- | | |
|-------------------------------|----------------------------|
| (1) 插损小
Low Insertion Loss | (3) 高测量精度
High Accuracy |
| (2) 高速调节
High Speed | (4) 高稳定性
High Stability |

应用 Applications

- 1、CWDM, DWDM 元件，模块和系统测量
CWDM,DWDM, Components, Module, System Testing
- 2、OPM, Interleaver, DPSK, WSS, PLC, AWG 元件和模块测量
OPM, Iterleaver, DPSK,WSS ,PLC, AWG components, modules testing
- 3、光纤传感器扫描测量
Optical fiber sensor scanning measurement
- 4、R&D 和实验室应用
R & D and laboratory applications

性能指标 Specification

型号 Model	OPL3000
工作原理 Principle	4 个电动式光纤环 4 Motorized Fiber Knob Loop
波长范围 Wavelength Range	1200 ~ 1700 nm
插入损耗 Insertion Loss	< 1.0 dB
消光损耗 Extinction Loss	40 dB
偏振相关损耗 PDL	< 0.008 dB *
光接口类型 Optical Connector	FC/PC
通讯接口 Interface	RS232
电源电压 Power	100 ~ 240 V AC, 50 - 60 Hz
工作温度 Operation Temperature	0~ +40℃
存储温度 Storage Temperature	-30~+80℃
外形尺寸 Dimensions	200 mm W, 105 mm H, 350 mm D
重量 Weight	5.3 kg

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