

ER3000 消光比测试仪



ER3000 是一种高精度、快速测量永磁器件偏振消光比 (PER) 的仪器。PER 是 PM 光纤慢轴光功率与快轴光功率的比值，是 PM 光纤和其他 PM 器件的重要特性。ER3000 在测量期间还提供最小和最大 PER 的保持功能，并监控相对功率。因此，ER3000 对于表征 PM 器件的 PER，以及将 PM 光纤对准激光二极管、偏振器和其他 PM 器件非常有用。

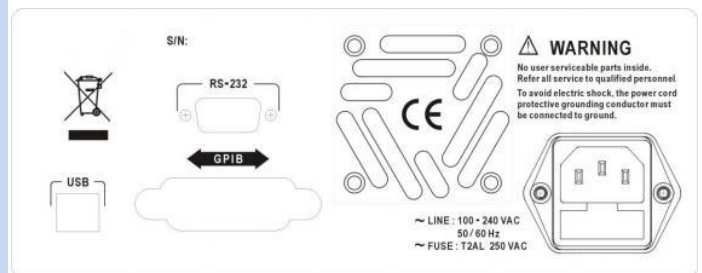
The ER3000 is an instrument that measure PER (Polarization Extinction Ratio) of PM device with high accuracy and fast speed. PER is the ratio of optical power in the slow axis of PM fiber to optical power in the fast axis, and is an important characteristic of PM fiber and other PM devices. The ER3000 also provides the holding function at minimum and maximum PER during measurement and monitors the relative power. So ER3000 is very useful to characterize the PER of PM devices, and to align PM fiber to laser diode, polarizer, and other PM devices.

主要特点 Features

- 宽波长范围：1260nm – 1650nm
Wide wavelength range: 1260nm – 1650nm
- 50dB dynamic range of PER measurement
- 6.6mm 的接口间距，插拔更安全，使用更可靠 6.6mm interface spacing, safer plugging and more reliable use
- 宽输入功率范围：-40 ~ +10dBm
Wide input power range: -40 ~ +10dBm
- 3 个模拟输出：PER、Angle、Power
3 analog outputs: PER, Angle, Power
- GPIB/RS232
- 配备实时测试软件
Equipped with real-time test software

应用领域 Applications

- 消光比测试 Polarization Extinction Ratio Measurement
- 光学偏振轴的对准 Alignment of optical polarization axis



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性能参数:

操作波长 Wavelength Range	1260 ~ 1650 nm ¹⁾	
输入功率范围 Input Power Range	-40 dBm ~ +10 dBm ²⁾	
偏振消光比范围 PER Dynamic Range	0 ~ 50dB for input power -5 ~ +10 dBm 0 ~ 45dB for input power -10 ~ -5 dBm 0 ~ 35dB for input power -20 ~ -10 dBm 0 ~ 25dB for input power -30 ~ -20 dBm	
精度 Accuracy	PER	±0.3dB for PER < 40 dB
	Angle	±1°
	Power	±0.3dB ³⁾
分辨率 Resolution	PER	0.1 dB
	Angle	0.1°
	Power	0.1dB
测试速度 Measurement Speed	0.1 ~ 2 sec.	
光输入类型 Optical Input	FC/PC	
交流电输入 AC Power Input	100 ~ 240 VAC, 50 / 60 Hz	
尺寸 Dimensions	212 (W) x 320 (D) x 86 (H) mm	
操作温度 Operating Temperature	10C ~ 40C	
存储温度 Storage Temperature	-10C ~ 60C	
接口 Interface	RS232 / GPIB / USB 2.0	

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