

## Multi-channel Extinction Ratio Tester

### Product Description

The platform-type multi-channel extinction ratio tester can independently perform polarization extinction ratio test, optical power test, insertion loss change test, etc. It is equipped with USB (RS232) interface, and the host computer software can automatically perform data test, record and analysis, and can be easily composed Automatic test system. Widely used in the testing of optical communication equipment, optical fiber, optical passive devices and optical active devices, it has wide power range, high test accuracy, high cost performance and good reliability.



### Features

- Long life, low noise, low electromagnetic interference
- Can accurately measure power, insertion loss, etc.
- Universal platform and modular plug-in structure
- Easy to flexibly form the application target system, easy to maintain, replace and upgrade
- Suitable for automatic detection, data recording and processing in the process of large-scale production

### Applications

- Measuring the extinction ratio of polarization maintaining fiber
- Alignment of polarization maintaining fiber and laser source
- Alignment of polarization axes of optics
- Y branch fiber optic gyro test
- Test PM couplers and polarizing beam splitters
- Polarization-maintaining fiber splicing monitoring



### Performance Parameter

Parameter	Unit	Performance Index
Number of Channels	8 channels/16 channels	
Measuring Extinction Ratio	dB	0~50
Measurement Wavelength Range	nm	1280~1630nm
Measurement Error	dB	$\leq \pm 0.2$ (PER:0~30dB, Pin $\geq$ -20dBm)
	dB	$\leq \pm 0.3$ (PER:31~35dB, Pin $\geq$ -20dBm)
	dB	$\leq \pm 0.5$ (PER:36~40dB, Pin $\geq$ -5dBm)
Input Power Range	$\mu$ W	-43~+13
Effective Resolution	dB	0.1
Data Update Rate	times/channel/second	2
Communication Interface	USB (RS232)	
Power Supply	AC 220V	
Working Conditions	Working temperature: 10~35 °C ; Working humidity: R.H. 15~80%; Storage temperature: -15~45°C	

