

PERM-600 ~ 110nm Extinction Ratio Tester

Product Description

TK-PERM series single/dual channel extinction ratio tester can independently perform polarization extinction ratio test, optical power test, digital calibration, automatic range selection, equipped with USB (RS232) interface, and write host computer software to automatically perform data test, record, Analysis, can easily form an 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
- Small measurement error
- Optical power, extinction ratio, optical axis angle, and polarization degree are displayed on the same screen
- Interchangeable interface FC/SC/LC
- Support free space input

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	single/dual channel	
Measuring Extinction Ratio	dB	> 40
Measurement Wavelength Range	nm	600~1100
Measurement Error	dB	$\leq \pm 0.2$ (PER:0~30dB, Pin $\geq$ 10uW)
	dB	$\leq \pm 0.3$ (PER:31~35dB, Pin $\geq$ 10uW)
	dB	$\leq \pm 0.5$ (PER:36~40dB, Pin $\geq$ 100uW)
Input Power Range	uW	0.01~2000
Effective Resolution	dB	0.03
Data Update Rate	times/channel/second	1~2
Fiber Optic Connector		FC/PC
Power Supply		AC 220V
Operating Temperature	°C	10~40

