

TC-PERM Series Extinction Ratio Tester

Product Description

The single/dual-channel extinction ratio tester can independently perform polarization extinction ratio test, optical power test, digital zero adjustment, digital calibration, manual or automatic range selection, equipped with USB (RS232) interface, and the host computer software can automatically perform data test and 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

Applications

- Single-ended optical device PER parameter test
- PER parameter test of dual output devices (Y waveguide, coupler, beam splitter, etc.)

Operating Environment

Operating Environment	5 ~ 40°C
Humidity	R.H. 15 ~ 80%
Storage Temperature	-15 ~ 45°C



Performance Parameter

Parameter	Unit	Indicators
Number of Channels		single channel
Measuring Extinction Ratio	dB	> 40
Measurement Wavelength Range	nm	1020~1650
Measurement Error	dB	$\leq \pm 0.2$ (PER:0~30dB, $P_i \geq 10\mu W$)
	dB	$\leq \pm 0.3$ (PER:31~35dB, $P_{in} \geq 10\mu W$)
	dB	$\leq \pm 0.5$ (PER:36~40dB, $P_{in} \geq 100\mu W$)
Input Power Range	μW	0.01~2000
Effective Resolution	dB	0.03
Data Update Rate	times/channel/second	1~2

Ordering Information

TC	PERM	X
	Polarization Extinction Ratio Tester	A---Single channel B---Dual channel

