



ROF-PERM series Extinction ratio tester

Single/Dual channel extinction ratio tester can independently test polarization extinction ratio, optical power test, digital zeroing, digital calibration, manual or automatic range selection, equipped with USB(RS232) interface, upper computer software can automatically test, record and analyze data, and can easily form an automatic test system. Widely used in optical communication equipment, optical fiber, optical passive devices and optical active devices testing, wide power range, high test accuracy, cost-effective, good reliability.

Product characteristics

- Long life, low noise
- low electromagnetic interference
- Small measurement error

Application field

- single-ended optical device PER parameter test
- dual output PER parameter test device
(Y waveguide, coupler, beam splitter, etc)



Performance parameter:

parameter	Unit	index
Number of channels	Single/dual channel	
Measure extinction ratio	dB	> 40
Measuring wavelength range	nm	600~1630
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/channels/second	1~2

Working environment

Operating temperature	5~40°C
operating humidity	R.H. 15~80%
storage temperature	-15~45°C

Order information



ROF	PERM	X	Y
	Extinction ratio tester	A---600-1100nm B---1280-1630nm	1---Single channel 2---Dual channel