

# Polarization Extinction Ratio Meter

## ER2300

FIBERPRO's Polarization Extinction Ratio Meters, ER2200 measure the Polarization Extinction

Ratio(PER), Polarization Angle and Power with high accuracy. They also provide the holding function of minimum PER during measurement and the monitoring function of relative power.

The main application is to characterize the PER of Polarization Maintaining (PM) Devices, and to align the PM fiber to laser diodes, polarizers, and PM devices.



## Features

- Wide dynamic range : Up to 50 dB
- Wide Wavelength Range : 1260 ~ 1640nm
- Minimum PER holding function
- Relative power monitoring function
- RS232 / GPIB / USB / LAN remote interface

# Applications

## 1. Polarization Extinction Ratio Measurement

FIBERPRO's PER Meter measures Polarization Extinction Ratio(PER), which is an important characteristic of Polarization Maintaining Fiber(PMF), PM patch cord and other PM devices.

## 2. Alignment of Polarization Axis of Optical Devices

PER measurement can be used in launching the optical light to Polarization Maintaining Fibers and aligning polarization axis of optical devices, such as polarization maintaining fiber pig-tailing to laser diodes, polarizers, polarization splitters, combiners, etc.

# Specifications

Operating Wavelength Range		1260 nm ~ 1640 nm
Calibrated Wavelengths		1310 nm & 1550 nm
Input Power Range		-40 dBm ~ +10 dBm
PER Dynamic Range		0 ~ 50 dB for input power -5 ~ +10 dBm 0 ~ 45 dB for input power -10 ~ -5 dBm 0 ~ 35 dB for input power -20 ~ -10 dBm 0 ~ 25 dB for input power -30 ~ -20 dBm
Accuracy	PER	±0.3 dB for PER < 40 dB
	Angle	±1°
	Power	±0.3 dB at 1310 nm & 1550 nm
Resolution	PER	0.1 dB
	Angle	0.1°
	Power	0.1 dB
Measurement Speed		0.1 sec. ~ 2 sec.
Connector type		FC/PC
AC Power Input		100 ~ 240 VAC, 50 / 60 Hz
Interface		RS232 / GPIB / USB 2.0 / LAN
Operating Temperature		10°C ~ 40°C
Dimensions (W×D×H)		234 mm × 350 mm × 108 mm (With rubber cover) 212 mm × 320 mm × 86 mm (Without rubber cover)

# Ordering Codes

## ER2300 - (1)

1. Connector type ➔ F/P(FC/PC), F/A(FC/APC), S/P(SC/PC), S/A(SC/APC)



FIBERPRO Headquarters  
FIBERPRO USA  
FIBERPRO CHINA  
www.fiberpro.com

Tel : +82-42-360-0030  
Tel : +1-408-835-7796  
Tel : +86-27-8663-5497  
sales@fiberpro.com

Fax : +82-42-360-0050  
Fax : +86-27-8663-5701