Polarization Extinction Ratio Meter for PMF Patch Cords

This product measures "polarization extinction ratio" and "misalignment angle of polarization maintaining axis orientation and its connector key orientation" of PMF patch cords with connectors by inserting the cords into the optical adapter parts. This design enables very reproducible and highly precise monitoring and evaluations.

Polarization of thin LD modules can be evaluated and optical devices can be assembled (polarization axis adjustment) using excitation units (option).

*** In addition, special orders for fiber array, external units, other wavelength, etc. are also accepted.**

Features

■ Evaluation of Polarization Maintaining Fibers with Connectors

- **Measurement of polarization extinction ratio**
- **Measurement of the misalignment angle of the connector key and the PMF polarization maintaining axis**

■ Evaluation of Optical Device Assembly Polarization (Option)

- **Evaluation of polarization for LD modules with polarization maintaining fibers, etc.**
- **Achievement of highly precise optical device assembly polarization axis adjustment**

Typical Specifications

Compatible Wavelength		680nm, 850nm, 1310nm or 1550nm
Extinction Ratio	**Range**	0-40 [dB]
	Resolution	0.1 [dB]
Polarization Angle Resolution		0.1 [deg]
Measurement Time		≤ 20 [sec]
Assembly Mode (For Excitation Option)		≤ 30 [sec]
Inspection Mode (For Excitation Option)		≤ 0.5 [sec]
Optical Adapter **(DUT Interface Part)**		FC/SC/MU/LC (by replacing adapters)
Connection Interface		GP-IB
Dimensions		W 363.7 x H 377 x T 155.5 [mm]
Weight		11.5 [kg] (for full implementation)
Operating Temperature		10-40 [deg C]
Power Supply	**Voltage/Frequency**	90-125 [Vac] / 50-60 [Hz]
	Power Consumption	50 [Wmax]
	Fuse	2 [A] 250 [V]

Ordering Instructions

1) Control Unit Model: RPM
Order format: RPM

2) Light Source Unit Model: RLS
Order format; RLS - (1)

2) Rotating Polarization Unit Model: RPR
Order format: RPR - (1) - (2)

3) Measurement Unit Model: RMH
Order format: RMH- (1) - (2)

4) Excitation Motor Drive Unit Model: RMD* *This is option.
Order format: RMD

(1) Wavelength	68: 680nm 85: 850nm 13: 1310nm 15: 1550nm
(2) Optical Adapter	FS: FC/SC (by replacing adapters) 4C: FC/SC/MU/LC (by replacing adapters)