

UC INSTRUMENTS UC8340 Motorized Polarization Scrambler

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The UC INSTRUMENTS UC8340 Motorized Polarization Scrambler is a program motorized control polarization scrambler. Its polarization controlled capability enhances measurement speed, accuracy, and overall productivity. The continuous length of fiber enables high power and ultra-low insertion loss. This design offers a wide range of AutoScan rates and high incremental angular resolution. Four fiber knob loop design has proven to provide excellent control with ultra-low power variations(PDL). This reliable design allows for a wide range of applications from component testing to PMD related activities.

Features

- Single-fiber design
- Ultra-low insertion loss, PDL, and back-reflection
- Convenient save/recall settings
- Multi-rate polarization scrambling
- AutoScan operation with a wide dynamic range of rotational speed
- RS-232 interface
- Small dimension
- Affordable price

Applications

- Component level PDL measurements
- Sub-system PDL testing
- General purpose in-line control of the SOP
- Low to medium-speed polarization scrambler
- Polarization pattern generator
- Maximize or minimize signal intensity with feedback from optical power meters
- Component within PMD emulator
- Component within PMD compensator
- Polarization stabilizer

Specifications

Model #	UC8340
Principle	4 Motorized Fiber Knob Loop
Wavelength Range	850 ~ 1700 nm
Insertion Loss	<= 0.5 dB
Extinction Loss	40 dB
PDL	<= 0.008 dB *
Optical Connector	FC/UPC or FC/APC
Operating Temperature	0 ~ 40 ° C
Interface	RS232
Power	100 ~ 240 V AC
Operation Temperature	0 ~ +40°C
Storage Temperature	-30 ~ +80°C
Dimensions	200 mm H, 105 mm W, 320 mm D
Weight	4.5 kg

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