

UC INSTRUMENTS GM8015 Motorized Polarization Scrambler

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 UC INSTRUMENTS CORP.

GM8015 Motorized Polarization Scrambler

The UC INSTRUMENTS GM8015 Motorized Polarization Scrambler is a programmable motorized control polarization scrambler. Its polarization control capability enhances measurement speed, accuracy, and overall productivity. The continuous long optical fiber enables high power and ultra-low insertion loss. This design provides a wide range of AutoScan rates and high incremental angular resolution. Four fiber knob loop design has proven to permit excellent control with ultra-low power variations (leading to low PDL). This reliable design allows 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
- RS232 interface
- Compact dimension
- Competitive price

Applications

- Component level PDL measurements
- Sub-system PDL tests
- 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 #	GM8015
<i>Principle</i>	<i>4 Motorized Fiber Knob Loop</i>
<i>Wavelength Range</i>	<i>850 ~ 1700 nm</i>
<i>Insertion Loss</i>	<i><= 0.5 dB</i>
<i>Extinction Loss</i>	<i>40 dB</i>
<i>PDL</i>	<i><= 0.008 dB *</i>
<i>Optical Connector</i>	<i>FC/UPC or FC/APC</i>
<i>Operating Temperature</i>	<i>0 ~ 40 ° C</i>
<i>Interface</i>	<i>RS232</i>
<i>Power</i>	<i>100 ~ 240 V AC</i>
<i>Operation Temperature</i>	<i>0 ~ +40 °C</i>
<i>Storage Temperature</i>	<i>-30 ~ +80 °C</i>
<i>Dimensions</i>	<i>200 mm H, 105 mm W, 320 mm D</i>
<i>Weight</i>	<i>4.5 kg</i>

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