

UC INSTRUMENTS GM8040 Desktop Variable Optical Attenuator

Technical Specifications Ver 1.01
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 UC INSTRUMENTS CORP.

GM8040 Desktop Variable Optical Attenuator

The GM8040 Desktop Variable Optical Attenuator provides high performance in channel balance, power equalization, gain tilt and power adjustment of DWDM systems, EDFA, AWG & PLC components, optical amplifiers, and other general-purpose fiber optical test and measurement applications.

A GM8040 is a high performance, compact dimension, fast startup, affordable optical attenuator test system. It allows continuously tuning attenuation over 0 ~ 60 dB dynamic range, and provides low/high power, and single/multiple channels optical attenuator modules options. UC Instruments also offers high channel count solution up to 16 channels.

Features

- Continuously tuning attenuation without moving parts
- Fast startup
- Resistance to mechanical vibration
- Compact dimension
- Competitive price

Applications

- Channel balance for DWDM systems
- Power equalization in optical add/drop modules
- Gain tilt and power adjustment in EDFA
- Receiver protection



Specifications

Model #	GM8040
<i>Wavelength Range</i>	1310/1550 nm
<i>Attenuator Range (dB)</i>	0 ~ 60 dB
<i>Insertion Loss (dB)</i>	<2.5
<i>Fiber type</i>	9/125 um single mode
<i>Connector Type</i>	FC/APC Connector
<i>Attenuator Accuracy (dB)</i>	<= +/- 0.1 dB typ (0 ~ 40 dB).
<i>Repeatability (dB)</i>	<= +/- 0.05 dB
<i>Polarization Depend Loss (dB)</i>	<= 0.1
<i>Polarization Mode Dispersion</i>	5 fs
<i>Return Loss</i>	> 45 dB
<i>Operation Temperature</i>	-10~+60 °C
<i>Storage Temperature</i>	-40~+80 °C
<i>Recalibration Period</i>	2 years
<i>Operation Temperature</i>	0 ~ +40 °C
<i>Storage Temperature</i>	-30~+80 °C
<i>Power</i>	220 V
<i>Dimensions</i>	200 mm H, 105 mm W, 250 mm D
<i>Weight</i>	3 kg

Customers may contact with UC INSTRUMENTS customers services to get more details on other specs of GM8040.

UC INSTRUMENTS' Test and Measurement Supports, Services and Assistance

UC INSTRUMENTS provides high performance, high value, low cost, affordable test and measurement instrument solutions for our customers. Our extensive support sources can help you choose right UC INSTRUMENTS' products for your specific applications and apply them successfully. Every instrument /system we sell has a global warranty. All of our instruments are with at least 12 months factory warranty.

Our Promises

All of UC INSTRUMENTS' test and measurement instruments and systems meet their advertised performance and functionality. When you select a UC INSTRUMENTS' product, we can help your product operation with our decade experiences, and provide the basic measurement assistance for the use of special capabilities.

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