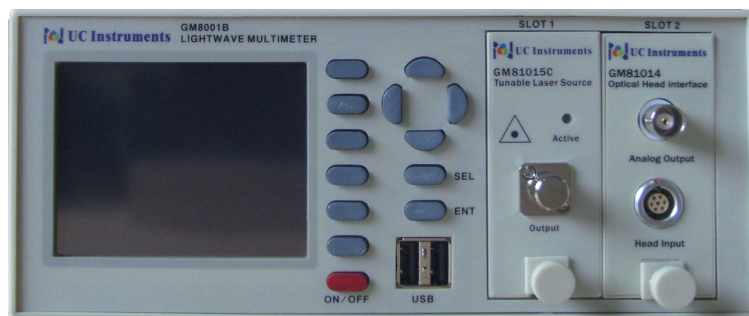


# UC INSTRUMENTS GM81007CL, GM81008 Optical Attenuator Modules

Technical Specifications Ver 1.01  
May, 2008



## GM81007CL, GM81008 Optical Attenuator Modules

The GM81007CL, GM81008 Optical Attenuator modules offer superior performance for channel balance, power equalization, gain tilt and power adjust of DWDM system, AWG & PLC components, optical amplifiers, and other general purpose of fiber optical test and measurement applications.

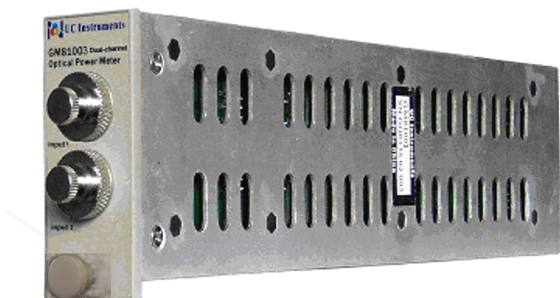
A GM8001B mainframe can host 2 of each GM81007CL, or GM81008 optical attenuator modules. It becomes a High Performance, Small Dimension, Fast Startup, Affordable optical attenuator test system. It provides low power, high power, single channel and dual channel optical attenuator modules options. UC Instruments also can provide high channel count solution up to 16 channels.

### Features

- Continue tuning without moving parts
- Quick startup
- Resistance for mechanical vibration
- Small dimension
- Affordable price

### Applications

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



## Specifications

<b>Model #</b>	<b>GM81007CL</b>	<b>GM81008</b>
<i>Wavelength Range</i>	1520 ~ 1620 nm	1520 ~ 1620 nm
<i>Attenuator Range</i>	2 ~ 40 dB	3 ~ 60 dB
<i>Insertion Loss</i>	<2.5 dB	
<i>Fiber type</i>	9/125 um single mode	
<i>Connector Type</i>	Straight Connector	
<i>Attenuator Accuracy</i>	<= +/- 0.1 dB typ.	
<i>Repeatability</i>	<= +/- 0.01 dB	
<i>Polarization Depend Loss</i>	<= 0.015 dB	
<i>Polarization Mode Dispersion</i>	5 fs	
<i>Return Loss</i>	> 40 dB	
<i>Operation Temperature</i>	-10 ~ +60°C	
<i>Storage Temperature</i>	-40 ~ +80°C	
<i>Recalibration Period</i>	2 years	
<i>Dimensions</i>	75 mm H, 32 mm W, 310 mm D	
<i>Weight</i>	0.5 kg	

Customers can contact with UC INSTRUMENTS customers services to get detail GM8001B Lightwave Multimeter specification.

## UC INSTRUMENTS' Test and Measurement Support, Services and Assistance

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

## Our Promise

All of UC INSTRUMENTS' test and measurement instruments and system will met its advertised performance and functionality. When you select UC INSTRUMENTS' products, we can verify if it is

work properly, help with products operation, and provides the basic measurement assistance for the use of special capabilities.

## Contact Information

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