

UC INSTRUMENTS GM8100x Optical Power Meter Modules

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GM8100x Optical Power Meter Modules

The GM81002, GM81003, GM81005 and GM81006 Optical Power Meter modules offer superior performance in testing DWDM components, AWG & PLC components, optical amplifiers, and performing other general-purpose fiber optical test and measurement applications.

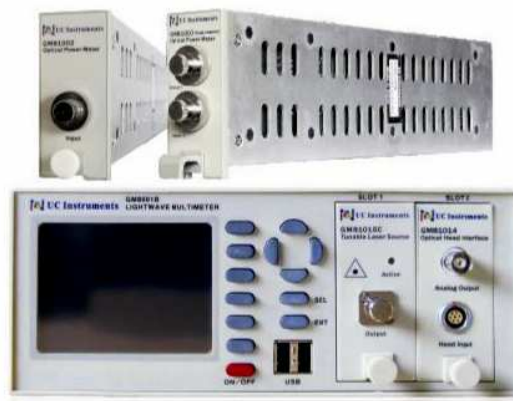
A GM8001B mainframe can host any two of the four Optical Power Meter modules (i.e., GM81002, GM81003, GM81005, and GM81006), making a high performance, compact dimensions, fast startup, and affordable optical power meter test system. The system provides low / high power, single / dual channel optical power meter modules options. UC Instruments can also provide high channel count solution up to 16 channels.

Features

- High accuracy
- Wide dynamic power range
- Fast startup
- Varied power range and channel number options
- Compact size
- Competitive price

Applications

- WDM, GFF, AWG, PLC component tests
- Fiber sensor/ sensor array developments
- PMD and PDL measurements
- Fiber optical, telecom R&D lab tests



GM81002 GM81003 Optical Power Meter Module

Specifications

Model #	GM81002	GM81003
Sensor Element	Single Channel InGaAs	Dual Channel InGaAs
Wavelength Range	850 ~ 1700 nm	
Power Range	+ 23 ~ -60 dBm	
Application Fiber Type	Standard SM and MM up to 62.5 um core size	
Uncertainty (accuracy) at reference condition	+/- 4% (1200 nm ~ 1610 nm)	
Relative Uncertainty (accuracy) at reference condition	< 0.02 dB Typical	
Linearity (power)	<= +/- 0.06 dB (1200 nm ~ 1610 nm, +20 ~ -40 dBm)	
Return Loss	> 40 dB	
Operation Temperature	0 ~ +40 °C	
Storage Temperature	-30 ~ +80 °C	
Recalibration Period	2 years	
Dimensions	75 mm H, 32 mm W, 310 mm D	
Weight	0.5 kg	

Model #	GM81005	GM81006
Sensor Element	Single Channel InGaAs	Dual Channel InGaAs
Wavelength Range	850 ~ 1700 nm	
Power Range	+ 3 ~ -80 dBm	
Application Fiber Type	Standard SM and MM up to 62.5 um core size	
Uncertainty (accuracy) at reference condition	+/- 4% (1200 nm ~ 1610 nm)	
Relative Uncertainty (accuracy) at reference condition	< 0.02 dB Typical	
Linearity (power)	<= +/- 0.06 dB (1200 nm ~ 1610 nm, 3 ~ -60 dBm)	
Return Loss	> 40 dB	
Operation Temperature	0 ~ +40 °C	
Storage Temperature	-30 ~ +80 °C	
Recalibration Period	2 years	
Dimensions	75 mm H, 32 mm W, 310 mm D	
Weight	0.5 kg	

Note: customers may contact UC INSTRUMENTS customer service to get more details on GM8001B Lightwave Multimeter specification.

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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