

GM82011P4-PC 4-CHANNEL OPTICAL MULTIPOINT POWER METER GM82011P8-PC 8-CHANNEL OPTICAL MULTIPOINT POWER METER

**Technical Specifications v1.00
March, 2011**



GM82011P4-PC 4-CHANNEL OPTICAL MULTIPOINT POWER METER

GM82011P8-PC 8-CHANNEL OPTICAL MULTIPOINT POWER METER

UC INSTRUMENTS GM82011P4-PC/GM82011P8-PC 4/8 CHANNEL OPTICAL MULTIPORT POWER METER are PC control multipoint passive components power meter test system and offer superior performance for the test of multi-channel DWDM, WSS, ROADM, AWG & PLC components and modules, optical amplifiers, DWDM system and other general purpose of multipoint fiber optical test and measurement applications. The system can be integrated with tunable laser source, optical attenuator & PDL controller provides a high performance passive components and modules automatic test system platform.

Features

- 4-channel and 8-channel optional
- High dynamic range
- High speed data acquisition and fast data transfer to computer
- High channel test in one click
- Save space and easy connect with computer with USB/RS232 cable

Applications

- Production PLC, AWG, WSS, ROADM multipoint components and modules testing
- Fiber Grating Sensor testing
- PMD and PDL measurement
- Fiber Optical , Telcom R & D lab test
- It is easy to be integrated into a passive fiber components testing system

Specifications

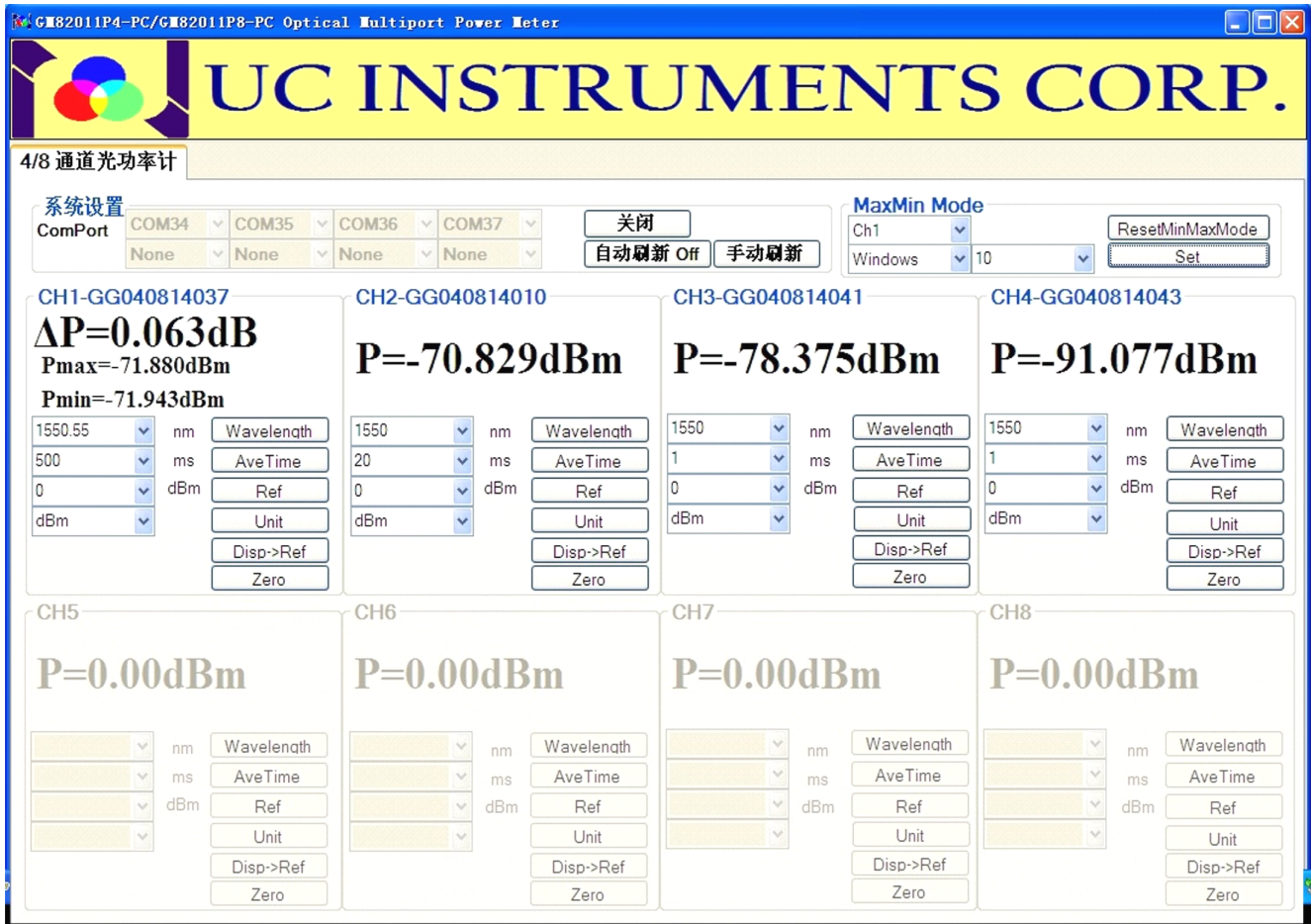
Model #	GM82011P4 + 4 x GM83003EC	GM82011P8 + 8 X GM83003EC
Channel Number	4 Channels	8 Channels
Wavelength Range	850 ~ 1700 nm	
Power Range	+ 3 ~ -75 dBm	
Application Fiber Type	Standard SM and MM up to 62.5 um core size	
Calibration Wavelength	850, 980, 1310, 1490, 1550, 1625	
Uncertainty (accuracy) at reference condition	+/- 4% (1200 nm ~ 1610 nm)	
Relative Uncertainty (accuracy) at reference condition	< 0.04 dB Typical	
Linearity (power)	<= +/- 0.06 dB (1200 nm ~ 1610 nm, + 0~ -60 dBm)	
Return Loss	> 40 dB	
Operation Temperature	0 ~ +40°C	
Storage Temperature	-30 ~ +80°C	
Recalibration Period	2 years	
Power Adaptor Power	AC 100 - 240 V ± 10%, 48 - 66 Hz, 100 VA max.	
Display	PC Interface.	
Communication Port	USB and RS232	
Work Environmental	-10° C to +70° C 0° C to +45° C <95% R.H. from 0° C to +45° C	
Dimensions	Standard 1U Rack	
Weight	10.0 lbs	

Model #	GM82011P4 + 4 x GM83002EC	GM82011P8 + 8 X GM83002EC
Channel Number	4 Channels	8 Channels
Wavelength Range	850 ~ 1700 nm	
Power Range	+ 13 ~ -70 dBm	
Application Fiber Type	Standard SM and MM up to 62.5 um core size	
Calibration Wavelength	850, 980, 1310, 1490, 1550, 1625	
Uncertainty (accuracy) at reference condition	+/- 4% (1200 nm ~ 1610 nm)	
Relative Uncertainty (accuracy) at reference condition	< 0.04 dB Typical	
Linearity (power)	<= +/- 0.06 dB (1200 nm ~ 1610 nm, + 0~ -60 dBm)	
Return Loss	> 40 dB	
Operation Temperature	0 ~ +40°C	
Storage Temperature	-30 ~ +80°C	
Recalibration Period	2 years	
Power Adaptor Power	AC 100 - 240 V ± 10%, 48 - 66 Hz, 100 VA max.	
Display	PC Interface.	

<i>Communication Port</i>	<i>USB and RS232</i>
<i>Work Environmental</i>	<i>-10° C to +70° C 0° C to +45° C <95% R.H. from 0° C to +45° C</i>
<i>Dimensions</i>	<i>Standard 1U Rack</i>
<i>Weight</i>	<i>10.0 lbs</i>



GM82011P4-PC 4-CHANNEL OPTICAL MULTIPOINT POWER METER SYSTEM
GM82011P8-PC 8-CHANNEL OPTICAL MULTIPOINT POWER METER SYSTEM



COMPUTER INTERFACE

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

United States:

UC INSTRUMENTS CORP.

37498 Glenmoor Dr.

Fremont, CA 94536

USA

Tel: 1-510-366-7353

Fax: 1-510-353-1809

www.ucinstruments.com

Product specifications and descriptions in this documentation subject to change without notice.

Copyright © 2008 UC INSTRUMENTS CORP.

May, 2011

31000040 V1.02