

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

Technical Specifications v1.05
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 METERS are PC control multipoint passive components power meter test systems and offer superior performance in testing multi-channel DWDM, WSS, ROADM, AWG & PLC components and modules, optical amplifiers, DWDM system and performing other general-purpose multipoint fiber optical test and measurement applications. The meters can be integrated with tunable laser source, optical attenuator & PDL controller to provide a high performance passive components and modules automatic test system platform.

Features

- High accuracy with wide dynamic power range
- 4 channel and 8 channel options
- High speed data acquisition and fast data transfer to computer
- High channel test in one click
- Compact size
- Easy to connect to computer via a USB/RS232 cable
- Competitive price

Applications

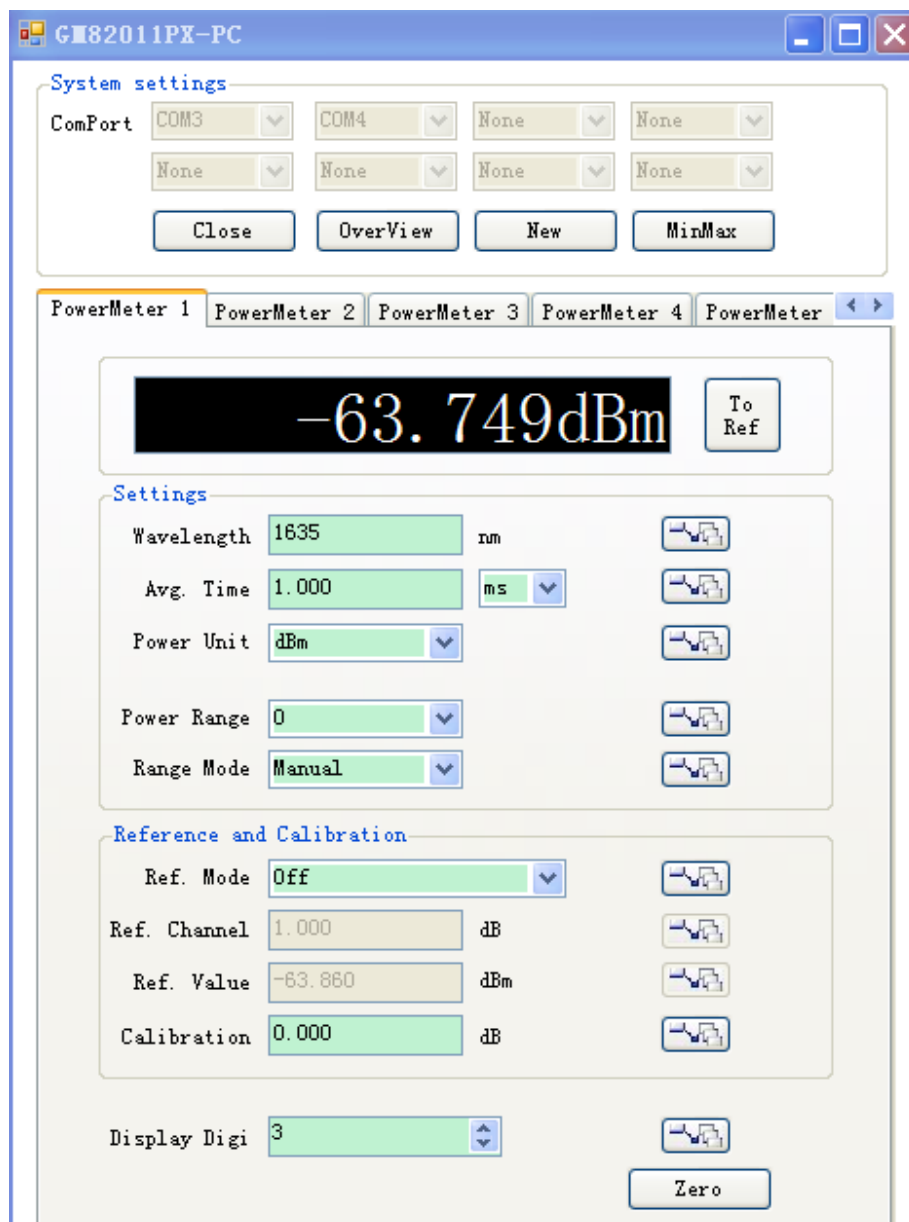
- PLC, AWG, WSS, ROADM multipoint components and modules testing
- Fiber grating sensor developments
- PMD and PDL measurements
- Fiber optical, telecom R&D lab tests
- Ease of use in being integrated into a passive fiber components testing system

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	
Working Environment	-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)	
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Operation Temperature	0 ~ +40 °C	
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Recalibration Period	2 years	
Power Adaptor Power	AC 100 - 240 V ± 10%, 48 - 66 Hz, 100 VA max.	
Display	PC Interface.	
Communication Port	USB	
Working Environment	-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	

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



Software Interface

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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