UC INSTRUMENTS GM8011CPX-PC PASSIVE COMPONENTS TEST SYSTEM

Technical Specifications v1.02 March, 2010 (Preliminary)



GM8011CP-PC + GM83001 + PC Passive Optical Components Testing System



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UC INSTRUMENTS GM8011CPX-PC PASSIVE COMPONENTS TEST SYSTEM is a PC control passive components test system and offer superior performance for the test of DWDM components, GFF, Interleaver, AWG & PLC components, optical amplifiers, DWDM system and other general purpose of fiber optical test and measurement applications. The system can internal integrated optical attenuator & power meter provides a high wavelength accuracy, quick scan function tunable laser source test system platform.

Features

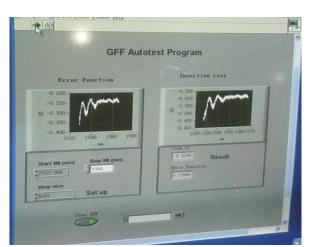
Wavelength quick scan
High wavelength accuracy
Quick startup
High laser power output
Internal Integrated Power Meter, PDL controller, Return Loss Meter option

Applications

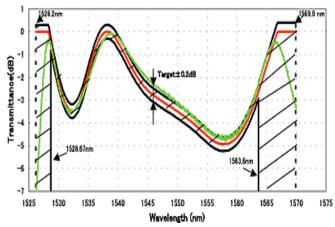
Production WDM, AWG, PLC, GFF and ITERLEAVER critical components and modules testing
Fiber Sensor test
PMD and PDL measurement
Fiber Optical, Telcom R & D lab test
It is easy to be integrated into a passive fiber components testing system

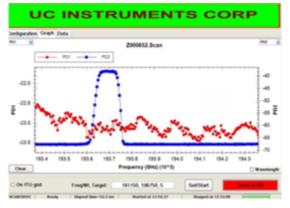


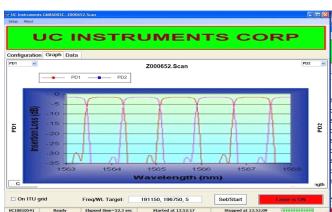
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Gain Flattening Filter







GFF, DWDM, Inter leaver Test Spectrum

Specifications

The UC INSTRUMENTS GM8011CVP Tunable Laser Source Systems Specification:

Model #	GM8011CP + GM83001E	GM8011CP4 + 4 x GM83001E	GM8011CP8 + 8 X GM83001E	
Tunable Laser Source				
Wavelength range	1	1525.00 to 1568.00 nm		
Output Power		>= 20 mW		
Wavelength resolution	1.0 pm			
Absolute wavelength accuracy	+/- 10 pm, tpy. < 5 pm			
Relative wavelength accuracy	+/- 5 pm, Typ. +/- 2 pm			
Wavelength repeatability		+/- 3 pm, typ. +/- 1 pm		
Wavelength stability (typ., 24 hrs at constant temperature		<= +/- 5 pm		
Tuning speed		<= 0.02s per step		
Power stability		< +/- 0.1 dB, 24 hours.		
Power repeatability		+/- 0.05 dB		
Power linearity	+/- 0.3 dB			
Power Over wavelength Ripple	0.3 dB; typ., 0.05dB			
Side-mode Suppression ritio	>= 40 dB			
Relative intensity noise(RIN. Typ.)		< -135 dB		
Power Meter				
Wavelength Range	1520 nm to 1620 nm	1520 nm to 1620 nm	1520 nm to 1620 nm	
Power Measurement Range	+3 dBm to -80 dBm	+3 dBm to -80 dBm	+3 dBm to -80 dBm	
Power Accuracy	< +/- 4%	< +/- 4%	< +/- 4%	
Power repeatability	< 0.1 dB	< 0.1 dB	< 0.1 dB	
Power Adaptor Power	AC 100 - 240	AC 100 - 240 V ± 10%, 48 - 66 Hz, 100 VA max.		
<i>Display</i>		PC Interface.		
Environmental Storage temperature Operating temperature Humidity	-40° C to +80° C 0° C to +45° C <95% R.H. from 0°			
Work Environmental	-10° C to +70° C 0° C to +45° C <95% R.H. from 0°			
Dimensions		Standard 1U Rack		
Weight		10.0 lbs		

Note: Per customers' request, we can also help customers integrate PDL controller and return loss meter options.

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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