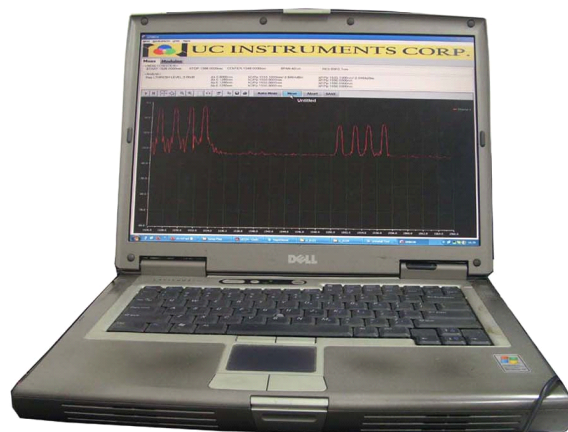


GM8036 LASER SWEEP OPTICAL SPECTRUM ANALYZER (1525 ~ 1610 nm)

Technical Specifications v1.01
March, 2011



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UC INSTRUMENTS' GM8036 laser sweep optical spectrum analyzer is a PC control passive components test and spectrum analyze system and offer superior performance for the test of CWDM / DWDM components, GFF, Interleaver, WSS, 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.

Its flexible PC base application test software can easy build up customers request testing template and create test report. It is also very good testing platform for passive components in process alignment and monitor. Its fast sweep function can direct show products optical spectrum. Build-in tunable laser, power meter can be use as combine sweep optical spectrum analyze function, and also can function independent.

Features

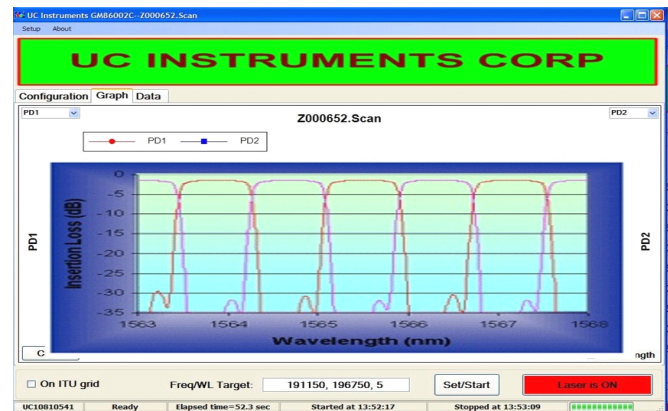
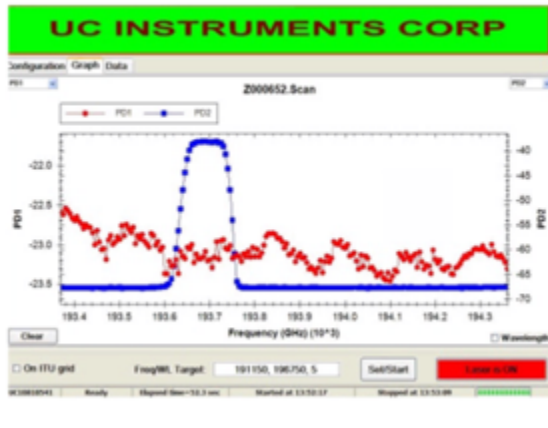
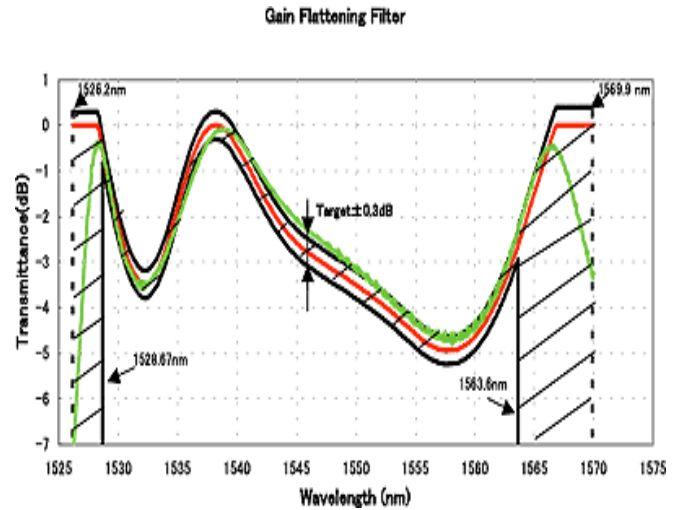
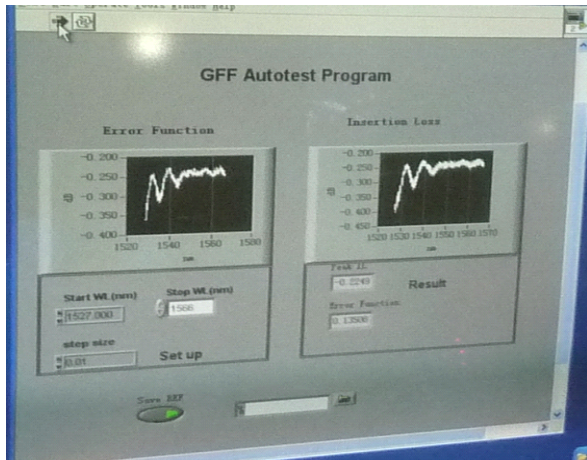
- Wavelength quick scan
- High wavelength accuracy
- Quick startup
- High laser power output
- Internal Integrated Power Meter, PDL controller, Return Loss Meter option

Applications

- Production CWDM/DWDM, WSS, 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

Specifications

Model #	GM8036
Tunable Laser Source	
<i>Wavelength range</i>	1525.00 to 1568.00 nm
<i>Output Power</i>	>= 20 mW
<i>Wavelength resolution</i>	1.0 pm
<i>Absolute wavelength accuracy</i>	+/- 10 pm, tpy. < 5 pm
<i>Relative wavelength accuracy</i>	+/- 5 pm, Typ. +/- 2 pm
<i>Wavelength repeatability</i>	+/- 3 pm, typ. +/- 1 pm
<i>Wavelength stability (typ., 24 hrs at constant temperature)</i>	<= +/- 5 pm
<i>Tuning speed</i>	<= 2 ms per step
<i>Power stability</i>	< +/- 0.1 dB, 24 hours.
<i>Power repeatability</i>	+/- 0.05 dB
<i>Power linearity</i>	+/- 0.3 dB
<i>Power fiatness versus wavelength</i>	0.3 dB; typ., 0.05dB.
<i>Side-mode Suppression ritio</i>	>= 40 dBc
<i>Relative intensity noise(RIN. Typ.)</i>	< -135 dB
Power Meter	
<i>Wavelength Range</i>	850 nm to 1620 nm
<i>Power Measurement Range</i>	+13 dBm to -70 dBm
<i>Power Accuracy</i>	< +/- 4%
<i>Power repeatability</i>	< 0.1 dB
Sweep Function	
<i>Sweep Mode</i>	Fast Continue Spectrum Sweep
<i>Resolution</i>	1 PM
<i>Accuracy</i>	5 PM,
<i>Power Display</i>	Peak Power Display
<i>Center Wavelength Function</i>	3 dB Down Center Wavelength Display
<i>Reference Function</i>	Testing Reference Setup
<i>Power Adaptor Power</i>	AC 100 - 240 V ± 10%, 48 - 66 Hz, 100 VA max.
<i>Display</i>	PC Interface.
<i>Environmental</i>	-40° C to +80° C
<i>Storage temperature</i>	0° C to +45° C
<i>Operating temperature</i>	<95% R.H. from 0° C to +45° C
<i>Humidity</i>	
<i>Work Environmental</i>	-10° C to +70° C
	0° C to +45° C
	<95% R.H. from 0° C to +45° C
<i>Dimensions</i>	Standard 1U Rack
<i>Weight</i>	10.0 lbs



GFF, DWDM, Interleaver Test Spectrum

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.

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