
C-band Optical Spectrum Analyzer Module Specification

Part Number: **CA92001**

Document#:

Version 1.0

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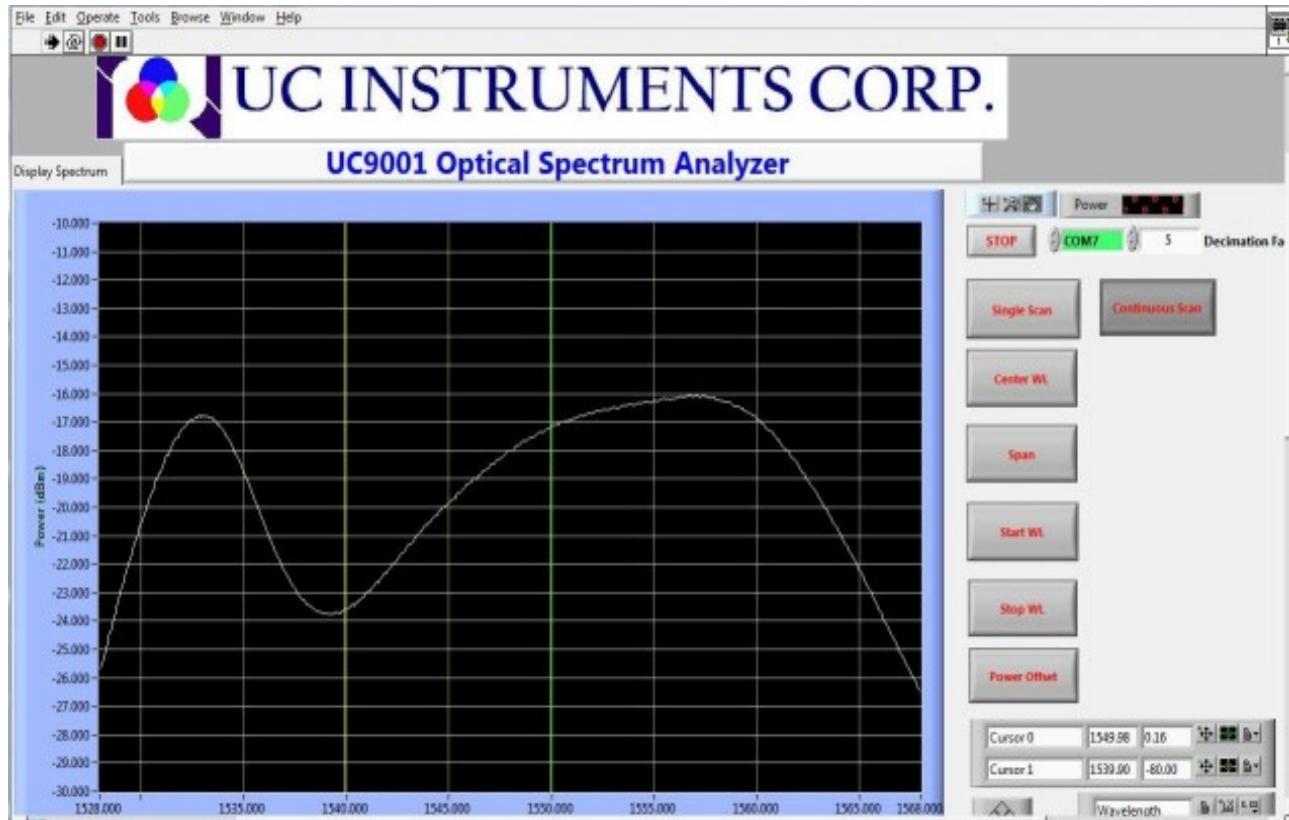
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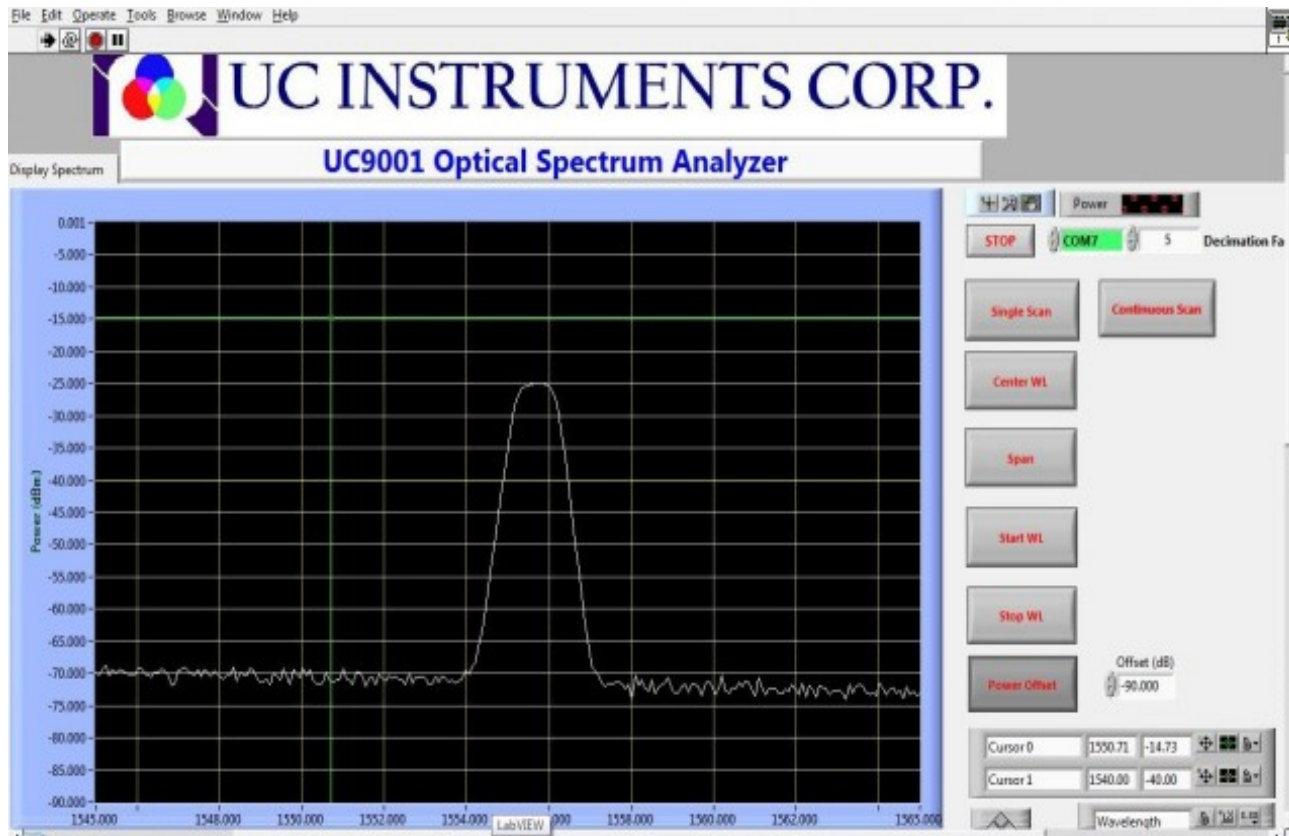
1. Optical Specification

Parameter	Unit	Data
Wavelength Range	nm	1528.00 ~ 1568.00
Maximum Input Power	dBm	23
Relative Power Accuracy ¹	dB	< ±0.2
Power Measurement Repeatability ¹	dB	< ±0.2
PDL	dB	< 0.2
Wavelength Resolution	pm	< 10
Absolute Wavelength Accuracy	pm	< ±10 (Central wavelength is determined as the center between two -3 dB power points)
Noise Floor	dBm	< 55
Output		Spectrum (Power vs Wavelength) with 2 GHz step-size
Response Time	s	2 ~ 3
Power Supply	V	5 (DC)
Power Consumption	W	2
Operating Temperature	C	0 ~ 65
Storage Temperature	C	-40 ~ 85
Electronics Interface	-	UART
Fiber Length	mm	1000 ± 100
Optical Connector		FC/APC
Dimensions ³	mm	35mm H, 130 mm W, 170 mm D

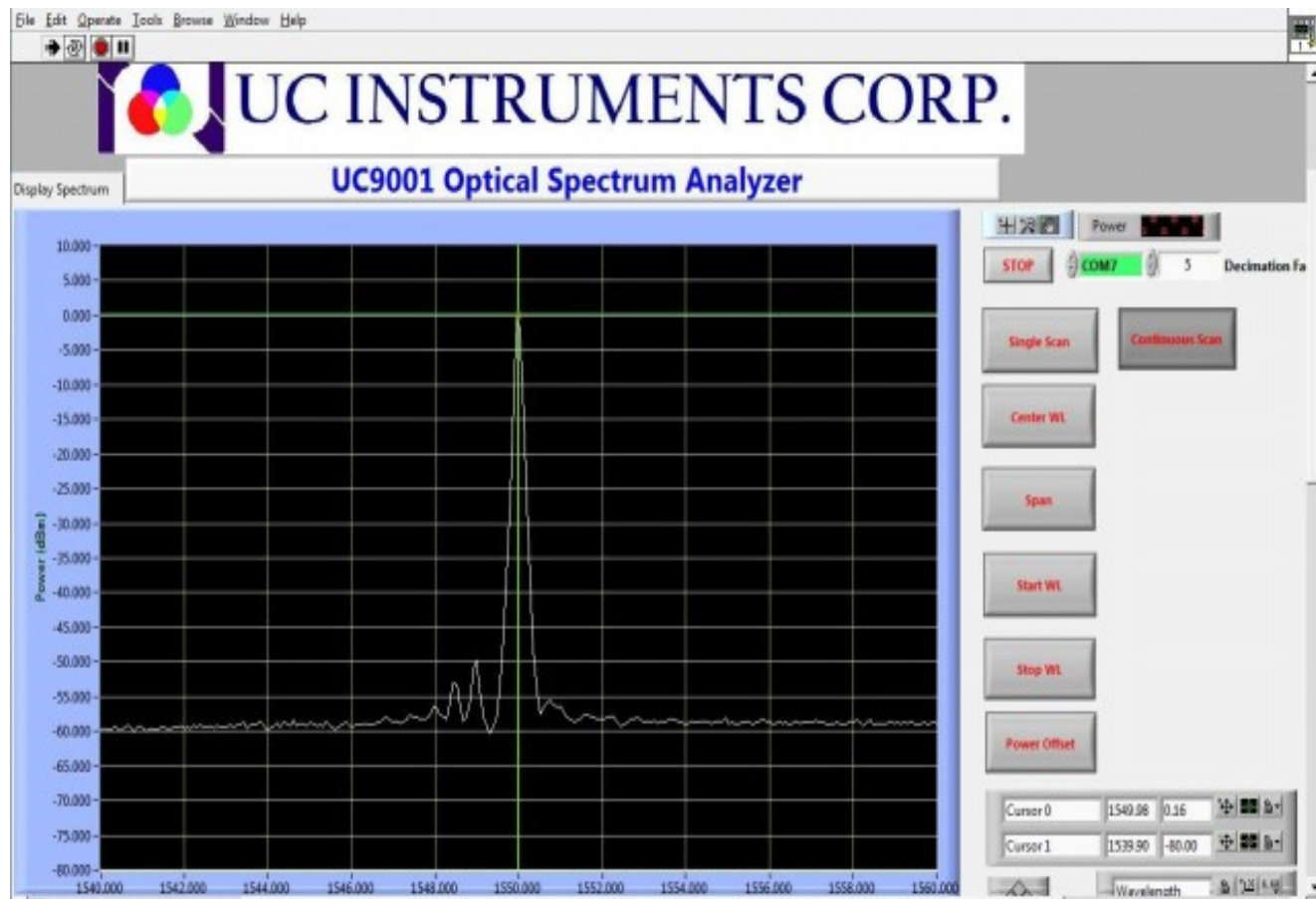
2. CA92001 C Band Optical Spectrum Analyzer PC Interface Test Spectrum



2-1 Broad Band ASE Light Source Spectrum



2-2 100 GHz DWDM Device Test Spectrum



4-2 Tunable Laser Source Test Spectrum

3. CA9001 C Band Portable Optical Spectrum Analyzer

The portable optical spectrum analyzer like below is under develop:



3-1 UC INSTRUMENTS CA9001 Portable Optical Spectrum Analyzer