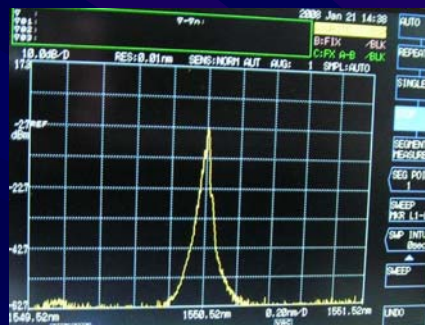


Small Dimension, Fast Startup, High Accuracy, High Power, Affordable Tunable Laser Source

July, 2008



*C band, L band,
C + L band
available*



GM8001 + GM81001C

GM8001 + GM81001L

GM8001 + GM81001CL

Tunable Laser Source



www.ucinstruments.com

The GM81001C, G M81001L and GM81001CL tunable laser offer superior performance for the test of DWDM components, AWG & PLC components, optical amplifiers, and other general purpose of fiber optical test and measurement applications.

Features

*High wavelength accuracy
Quick startup
High power
Small dimension
Affordable price*

Applications

*WDM, AWG, PLC components test
Fiber Sensor test
PMD and PDL measurement
Fiber Optical , Telcom R & D lab test*

GM81001C, GM81001L, GM81001CL Tunable Laser Specification

<i>Model #</i>	<i>GM81001C</i>	<i>GM81001L</i>	<i>GM81001CL</i>
<i>Wavelength range</i>	<i>1528.00 to 1568.00 nm</i>	<i>1568.00 to 1610.00 nm</i>	<i>1528.00 to 1610.00 nm</i>
<i>Output Power</i>	<i>>= 20 mW</i>	<i>>= 20 mW</i>	<i>>= 10 mW</i>
<i>Wavelength resolution</i>	<i>0.1 pm</i>		
<i>Absolute wavelength accuracy</i>	<i>+/- 10 pm, tpy. < 5 pm</i>		
<i>Relative wavelength accuracy</i>	<i>+/- 5 pm, Typ. +/- 2 pm</i>		
<i>Wavelength repeatability</i>	<i>+/- 1 pm, typ. +/- 0.5 pm</i>		
<i>Wavelength stability (typ., 24 hrs at constant temperature)</i>	<i><= +/- 1 pm</i>		
<i>Tuning speed</i>	<i><= 5 s per step</i>		
<i>Power stability</i>	<i>+/- 0.01 dB, 1 hour. Typ., +/- 0.03 dB, 24 hours.</i>		
<i>Power repeatability</i>	<i>+/- 0.01 dB</i>		
<i>Power linearity</i>	<i>+/- 0.3 dB</i>		
<i>Power fiatness versus wavelength</i>	<i>0.3 dB typ., 0.5 dB max.</i>		
<i>Side-mode Suppression ritio</i>	<i>>= 40 dBc</i>		
<i>Relative intensity noise(RIN. Typ.)</i>	<i>< -135 dB</i>		
<i>Output optical interface</i>	<i>PM, FC/PC connector</i>		
<i>Dimensions</i>	<i>75 mm H, 32 mm W, 310 mm D [3.5" (L) x 8.5" (W) x 12.5" (H)]</i>		
<i>Weight</i>	<i>0.5 kg</i>		

A GM8001 mainframe can host 2 of each GM81001C, or GM81001L, or GM81001CL tunable laser modules. UC Instruments also can provide high channel count solution up to 16 channels.

GM8001 mainframe will be provide with GM81001C, GM81001L or GM81001CL when you order them.

Ordering Information

<i>Ordering number</i>	<i>Instrument</i>
<i>GM 1000/01</i>	<i>GM8001 + GM81001C C Band Tunable Laser Source</i>
<i>GM 1000/02</i>	<i>GM8001 + GM81001L L Band Tunable Laser Source</i>
<i>GM 1000/03</i>	<i>GM8001 + GM81001CL C + L Band Tunable Laser Source</i>

<i>Ordering number</i>	<i>Accessories</i>
<i>FW 1000/00.32</i>	<i>Optical adapter ST type</i>
<i>FW 1000/00.58</i>	<i>Optical adapter SC type</i>
<i>FW 1000/00.51</i>	<i>Optical adapter FC type</i>
<i>FW 1000/00.50</i>	<i>Optical adapter DIN type</i>
<i>FW 1000/00.59</i>	<i>Optical adapter LC type</i>
<i>FW 1001/00.01</i>	<i>5 dB FC/FC Fix Adaptor Attenuator</i>
<i>FW 1001/00.02</i>	<i>10 dB FC/FC Fix Adaptor Attenuator</i>
<i>FW 1001/00.03</i>	<i>20 dB FC/FC Fix Adaptor Attenuator</i>
<i>SS 1003/00.01</i>	<i>FC/FC 30 dB Pigtail Adjustable Attenuator</i>

Customer Special Order

We also provide 10 mw, 30 mw out put power C band, L band tunable laser special order.

Please feel free to contact UC Instruments Corp. for other test equipment products you specify.



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