

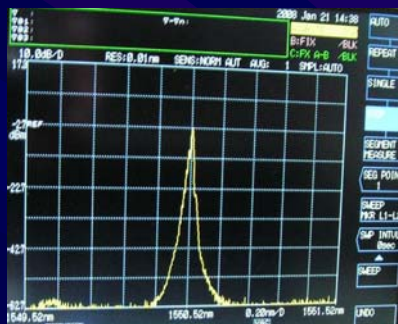
Fast Startup, High Accuracy, High Power, Portable Tunable Laser Source

July, 2008

*Smart Field
Application Engineer's
Tooling*



*C band, L band,
available*



GM8002C

GM8002L

GM8002CP

*Portable Tunable Laser
Source*



www.ucinstruments.com

The GM8002C, G M8002L portable tunable laser offer superior performance for the test of field DWDM components, AWG & PLC components, optical amplifiers, DWDM system and other general purpose of fiber optical test and measurement applications.

Features

*Portable
High wavelength accuracy
Quick startup
High power*

Applications

*Field WDM, AWG, PLC, and ATM system engineering trouble shoot
Fiber Sensor test
PMD and PDL measurement
Fiber Optical , Telcom R & D lab test*

GM8002C, GM8002L Portable Tunable Laser Specification

Model #	GM8002C	GM8002L	GM81001CP
Wavelength range	1528.00 to 1568.00 nm	1568.00 to 1610.00 nm	1528.00 to 1568.00 nm With Power Meter
Output Power	≥ 10 mW	≥ 10 mW	≥ 10 mW
Wavelength resolution	0.1 pm		
Absolute wavelength accuracy	± 10 pm, tpy. < 5 pm		
Relative wavelength accuracy	± 5 pm, Typ. ± 2 pm		
Wavelength repeatability	± 1 pm, typ. ± 0.5 pm		
Wavelength stability (typ., 24 hrs at constant temperature)	$\leq \pm 1$ pm		
Tuning speed	≤ 5 s per step		
Power stability	± 0.01 dB, 1 hour. Typ., ± 0.03 dB, 24 hours.		
Power repeatability	± 0.01 dB		
Power linearity	± 0.3 dB		
Power fiatness versus wavelength	0.3 dB typ., 0.5 dB max.		
Side-mode Suppression ritio	≥ 40 dBc		
Relative intensity noise(RIN. Typ.)	< -135 dB		
Output optical interface	PM, FC/PC connector		
Dimensions	256 x 169 x 64 mm		
Weight	5.0 lbs		

Ordering Information

<i>Ordering number</i>	<i>Instrument</i>
<i>GM 1000/05</i>	<i>GM8002C C Band Portable Tunable Laser Source</i>
<i>GM 1000/06</i>	<i>GM8002L L Band Tunable Tunable Laser Source</i>
<i>GM 1000/07</i>	<i>GM8002CP C Band Tunable Tunable Laser Source with Power Meter</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 20 mw, 30 mw out put power C band, L band tunable laser special order. Power meter and manual attenuator also can be integrated in the portable tunable laser source.

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



UC Instruments Corporation

Address: 37498 Glenmoor Drive

Fremont, CA 94536

USA

Tel: + 1 - 510 - 366 - 7353

Fax: + 1 - 510 - 795 - 1795

Http:// www.ucinstruments.com

Email: customerservice@ucinstruments.com