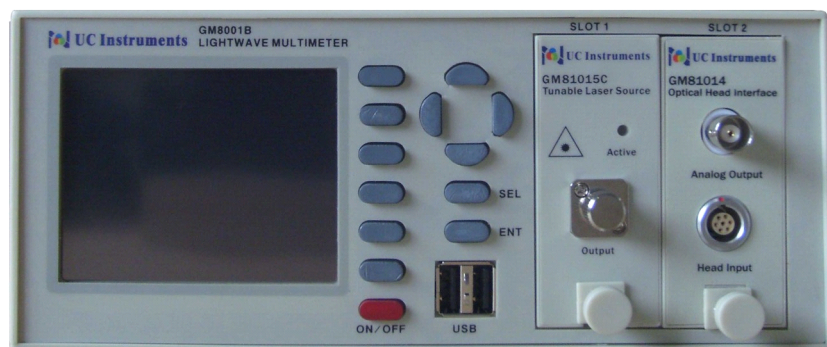


UC INSTRUMENTS GM81015xx Tunable Laser Source Modules

Technical Specifications Ver 1.02
Sept., 2010



UC INSTRUMENTS CORP

GM81015xx Tunable Laser Source Module

The GM81015C, GM81015L and GM81015CL tunable laser modules 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.

A GM8001 mainframe can host 2 of each GM81015C, or GM81018L, or GM81018CL tunable laser modules. It becomes a High Accuracy, High Power, Small Dimension, Fast Startup, Affordable Tunable Laser Source system. It provides C band, L band, or C+L band tunable laser sources options. UC Instruments also can provide high channel count solution up to 16 channels.

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

Slot1 GM81015 $\lambda = 1564.9900$ P = 13.0 dBm State ●	Detail Edit Laser Off
Slot2 GM83001 P = -40.993dBm $\lambda = 1526.0$ nm AvTime = 1 ms	Set Max Unit More



Specifications

Model #	GM81015C	GM81015L	GM81015CL
<i>Wavelength range</i>	1525.00 to 1568.00 nm	1568.00 to 1610.00 nm	1525.00 to 1610.00 nm
<i>Output Power</i>	≥ 13 dBm	≥ 10 dBm	≥ 7 dBm
<i>Wavelength resolution</i>	1.0 pm		
<i>Absolute wavelength accuracy</i>	± 10 pm, typ. < 5 pm		
<i>Relative wavelength accuracy</i>	± 5 pm, Typ. ± 2 pm		
<i>Wavelength repeatability</i>	± 2 pm, typ. ± 1 pm		
<i>Wavelength stability (typ., 24 hrs at constant temperature)</i>	$\leq \pm 2$ pm		
<i>Tuning speed</i>	≤ 0.05 s per step		
<i>Power stability</i>	± 0.05 dB, 1 hour. Typ., ± 0.1 dB, 24 hours.		
<i>Power repeatability</i>	± 0.05 dB		
<i>Power linearity</i>	± 0.3 dB		
<i>Power flatness versus wavelength</i>	0.3 dB typ., 0.5 dB max.		
<i>Side-mode Suppression ratio</i>	≥ 40 dBc		
<i>Relative intensity noise(RIN. Typ.)</i>	< -135 dB		
<i>Output optical interface</i>	PM, FC/PC connector		
<i>Dimensions</i>	75 mm H, 32 mm W, 310 mm D [3.5" (L) x 8.5" (W) x 12.5" (H)]		
<i>Weight</i>	0.5 kg		

Customers can contact with UC INSTRUMENTS customers services to get detail GM8001 Lightwave Multimeter specification.

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 18 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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