

Laser Linewidth Noise Tester



Product Introduction

The linewidth/phase noise analyzer provides fully automated measurements of ultra-low phase noise and laser linewidth. We are able to measure the linewidth of the laser < 1Hz without complicated setup. The entire system is very easy to operate via a PC.

Selectable Wavelength Range (nm)

575 – 710 / 740 – 935 / 965 – 1065 /
 1000 – 1100 / 1260 – 1360 / 1360 – 1460 /
 1460 – 1530 / 1530 – 1565 / 1565 – 1625 /
 1647 – 1655 / 1900 – 1950 / 1950 – 2100

Optical Rin Noise Test Module (Customized)

The tester can be equipped with both modules

Specification

- ✧ Lorentz line width < 1Hz
- ✧ Input Optical Power Range 0dbm ~ 30dBm
- ✧ Frequency Offset Range 10 Hz ~ 10Mhz
- ✧ White Noise Levels -160 dBc/Hz
- ✧ Dimension 3U (483 x 524 x 140)

Linewidth Resolution :

Range	Resolution
1 Hz ~ 100 Hz	0.2 Hz
100 Hz ~ 1 kHz	0.5 Hz
1 kHz ~ 10 kHz	5 Hz
10 kHz ~ 100 kHz	50 Hz
100 kHz ~ 1Mhz	500 Hz