

Narrow Linewidth Laser Linewidth Measurement System Linewidth Analyzer 1300-1700nm (Linewidth 2-5000KHz Input 0.2-20mW)



● **Product Description**

The Laser Linewidth Measurement System is a simple and accurate laser diode linewidth measurement system. The evaluation of laser linewidth is critical to the development, manufacturing and quality control of optical communication lasers. Combined with Keysight's signal analyzers and dedicated test sets, you can easily measure linewidth. Idealphotonics' narrow linewidth laser linewidth tester uses the delayed self-heterodyne beat frequency method to test the laser linewidth. When used with a 50km delayed

optical fiber, it can measure lasers with a linewidth of 2kHz without the need to build a complex system.

● Part Number

LLMS001

● Product features

Laser linewidth measurement down to 2kHz 、 Wide wavelength range

1300-1700nm、 The interferometer and the optical receiver are in one box

Parameters

General parameters

Parameter	Unit	Min.	Typ.	Max.
Measurement Band	nm	1310		1700
Min. Measurable Line Width	kHz	2		5000
Optical input Power (can be increased to 500mW using adjustable attenuator)	dBm	-20		+10
Frequency Shift of the Interferometer (Electrical Signal Carrier Frequency)	MHz		150	
Optical Delay Length	Km		50	
Supply Voltage	V		220	
Fiber Optic Interface	NA		FC/APC	
RF Radio Frequency Interface	NA		BNC	

Laser line width measurement device

