Narrow Linewidth Laser Linewidth Measurement SystemLinewidth 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.

- ## Product features

Laser linewidth measurement down to 2kHz、 Wide wavelength range 1300-1700nm、 The interferometer and the optical receiver are in one box

- ## Part Number

MP-LWA-1317

- ## Application area

Fiber optic communication | Laser research and development | Quantum optics | Spectral analysis | Precision measurement

Core parameters

Measurement Band	Linewidth	Frequency Shift of the Interferometer
1310-1700nm	2-5000kHz	150MHz

General 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