

KEYSIGHT TECHNOLOGIES (AGILENT HP)

86120B

The Keysight (Agilent) 86120B is a high-performance multi-wavelength meter designed for precise wavelength and power measurements of optical signals, particularly in DWDM applications. It features an internal Helium-Neon laser reference to ensure high wavelength accuracy and stable long-term operation.

SPECIFICATIONS

General

Measurement List Sorting Options	By wavelength or by amplitude (power)
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Wavelength Performance

Wavelength Range	700 to 1650 nm
Absolute Wavelength Accuracy	±5 ppm (±0.008 nm at 1550 nm)
Internal Reference Laser Type	HeNe Laser (632.991 nm)

Amplitude and Power Performance

Input Power Range	-40 to +10 dBm
Absolute Power Accuracy	±0.5 dB
Power Linearity	±0.3 dB
Power Resolution	0.01 dB
Maximum Safe Input Power	+18 dBm

Measurement Speeds and Dynamics

Measurement Cycle Time	1.0 s
Maximum Number of Wavelengths Measured	100

Optical Input Interface

Optical Fiber Type Compatibility	9/125 μm single-mode
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Analysis and Display Features

Amplitude Units	dBm, mW, μW, nW
Drift Analysis Functions	Max/Min Wavelength Drift, Max/Min Power Drift

Connectivity and Programming

GPIO Interface Capabilities	IEEE-488.2, SCPI command set
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Environmental and Standards Compliance

Warm-up Time	15 minutes
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Optical Performance

Interferometer Type	Michelson interferometer
Internal Reference Laser Wavelength	632.991 nm (vacuum, Helium-Neon)

Connectivity & Control

Programming Language Compatibility	SCPI, HP 86120A compatibility mode
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TECHNOLOGY

Michelson Interferometer

APPLICATIONS

DWDM system testing, optical transmitter characterization, optical component verification

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.