

KEYSIGHT TECHNOLOGIES (AGILENT HP)

86120C

The Keysight (formerly Agilent / HP) 86120C is a high-performance multi-wavelength meter designed to quickly and accurately characterize optical components and multi-wavelength WDM networks. It features the ability to simultaneously measure the wavelength and power of up to 200 laser lines in the 1270 nm to 1650 nm range. Utilizing a built-in HeNe laser wavelength standard, the 86120C achieves ± 2 ppm absolute wavelength accuracy and includes specialized onboard measurement applications for drift tracking, OSNR, data logging, and Fabry-Perot laser characterization.

SPECIFICATIONS

General

Interfaces	GPIB, RS-232
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Physical

Power Supply	100 to 240 VAC, 50/60 Hz
Operating Temperature	0 to +55 °C

Wavelength Specifications

Wavelength Range	1270 nm to 1650 nm
Absolute Wavelength Accuracy	± 2 ppm (± 3 pm at 1550 nm)
Minimum Resolvable Separation	10 GHz (~ 0.08 nm at 1550 nm)
Wavelength Display Resolution	0.001 nm
Calibration Wavelength Standard	Built-in HeNe laser

Power Specifications

Measurement Power Range	-40 dBm to +10 dBm (1270 nm to 1600 nm)
Maximum Safe Input Power	+18 dBm
Absolute Power Accuracy	± 0.5 dB
Power Linearity	± 0.3 dB
Polarization Dependent Response	± 0.5 dB (1270 nm to 1600 nm)
Power Display Resolution	0.01 dB

Optical Input Specifications

Compatible Fiber Type	9/125 μ m single-mode
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Measurement & Performance Characteristics

Maximum Number of Measurable Wavelengths	200
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Application & Analysis Features

Display Units (Wavelength)	nm, THz, cm^{-1}
Display Units (Power)	dBm, mW, μ W

TECHNOLOGY

Michelson Interferometer-based Multi-Wavelength Meter

APPLICATIONS

WDM component test, optical network verification, FP laser characterization, OSNR measurement

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