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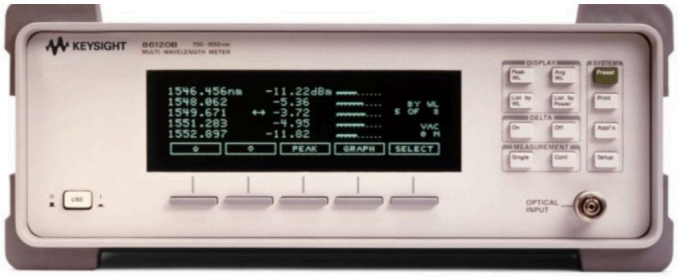
Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 86120C

Agilent Keysight 86120C Multi Wavelength Meter The Agilent/Keysight 86120C multi-wavelength meter measures wavelength and optical power of laser lines from 1270 to 1650 nm (182 to 236 THz). OEM 86120x data sheets assume laser linewidths less than 5 GHz for the 86120C and support simultaneous multi-line WDM characterization. DWDM channel characterization, Fabry-Perot multi-line measurements, and optical source wavelength/power verification. Simultaneous multi-line wavelength measurement The Agilent/Keysight 86120C multi-wavelength meter measures wavelength and optical power of laser lines from 1270 to 1650 nm (182 to 236 THz). OEM 86120x data sheets assume laser linewidths less than 5 GHz for the 86120C and support simultaneous multi-line WDM characterization. DWDM channel characterization, Fabry-Perot multi-line measurements, and optical source wavelength/power verification. Simultaneous multi-line wavelength measurement WDM and Fabry-Perot laser characterization



MODEL **Agilent / Keysight 86120C**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **86120C**	LISTING **https://aumictechlabs.com/products/86120c-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 86120C is a Michelson interferometer-based multi-wavelength meter that simultaneously measures wavelength and optical power across multiple laser lines. Operating from 1270 nm to 1650 nm (182 to 236 THz), it handles up to 200 laser lines with ±2 ppm absolute wavelength accuracy (±0.003 nm at 1550 nm and 1310 nm) for lines separated by ≥15 GHz.

Measurement cycle time is less than 1 second.The instrument features a built-in HeNe laser wavelength standard, graphical optical power spectrum display, and state save/recall capability. Maximum safe input power is +10 dBm. Equipped with SCPI programming support and front-panel optical connectivity, the 86120C serves applications in DWDM signal testing, Fabry-Perot laser characterization, and optical component verification across development, manufacturing, and field installation environments.Technical Specifications Wavelength range: 1270 nm to 1650 nm (182 to 236 THz) Maximum laser lines: 200 simultaneous measurements Absolute wavelength accuracy: ±2 ppm for lines separated by ≥15 GHz (±0.003 nm at 1550 nm and 1310 nm) Laser linewidth capability: <5 GHz including modulation sidebands Measurement cycle time: <1 second Maximum safe input power: +10 dBm Built-in wavelength standard: HeNe laser Operating humidity: up to 95% relative humidity Operating altitude: up to 2000 metersKey Features Graphical optical power spectrum display Instrument state save and recall Power bar indicator SCPI command programming interface Front-panel optical connectorTypical Applications DWDM signal testing and verification Fabry-Perot laser characterization Optical component development and manufacturing Network installation verificationCompatibility & Integration The 86120C is a legacy product; the Keysight 86120D provides current-generation functionality.

86120C Characteristics / Specifications

PARAMETER	VALUE
Model	86120C
Wavelength Range	1270 to 1650 nm
Frequency Range Equivalent	182 to 236 THz
Assumed Laser Linewidth	less than 5 GHz
Maximum Total Displayed Input Power	plus 10 dBm
Maximum Source Power Damage Caution	do not exceed plus 18 dBm
Instrument Type	multi-wavelength meter
Measurement Functions	wavelength and optical power of multiple laser lines
Operating Temperature Spec Class	0 to 55 C class per 86120x family sheet
Warm Up Stabilization Class	after continuous operation warm-up per OEM procedure
Brand Lineage	HP / Agilent / Keysight
Form Factor	benchtop optical wavelength meter
Remote Control Class	GPIB class optical instrument
Display	multi-line wavelength/power display
Input	optical fiber input
Family	86120B/86120C/86122A multi-wavelength meters
Update Mode	UPDATE mode supported per family sheetWavelength Minimum: 1270 nm
Wavelength Maximum	1650 nm
Multi Line Measurement	yes simultaneous lines
Power Offset Support	yes for attenuated high power inputs
WL LIM Feature	user wavelength limit on/offFamily: 86120B 86120C 86122A multi-wavelength meters
Documentation Source	OEM datasheet model row
Linewidth	less than 5 GHz
Operating temperature	Spec Class: 0 to 55 C class per 86120x family sheet

86120C Specifications

PARAMETER	VALUE
Agilent Keysight 86120C Multi Wavelength Meter	Overview
Key Features	1270 to 1650 nm wavelength coverage
Technical Specifications	Model: 86120C
Notes	From Agilent/Keysight 86120B/86120C/86122A Multi-Wavelength Meters data sheet and 86120C user documentation.

General Specifications & Supplementary Characteristics

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Documentation Source	OEM datasheet model row Notes From Agilent/Keysight 86120B/86120C/86122A Multi-Wavelength Meters data sheet and 86120C user documentation.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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Notes
From Agilent/Keysight 86120B/86120C/86122A Multi-Wavelength Meters data sheet and 86120C user documentation.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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