

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8164A

The Agilent 8164A Lightwave Measurement System mainframe provides the foundation for high-performance optical testing. It supports one back-loadable tunable laser module alongside up to four front-loadable compact modules, making it a highly versatile platform. It maintains backward compatibility with all fixed source, sensor, and specialty modules from the Agilent 8153A and 8163A series.

SPECIFICATIONS

General

Interfaces	GPIB, RS-232C, Parallel (Centronics), VGA
Display	Color active LCD, 600 x 400 points visible

Physical

Power Supply	100 - 240 VAC, 50/60 Hz, 280 VA max
Operating Temperature	10 to 35 °C
Dimensions (W×H×D)	426 x 145 x 545 mm

System Architecture and Capabilities

Total Module Slots	5
Tunable Laser Module Slots	1
Standard Sensor/Compact Module Slots	4 (Front-loadable)
Supported Module Types	Tunable Lasers, Fixed Wavelength Lasers, DFB Sources, Power Sensors, Fast Power Sensors, Optical Head Interface Modules, Return Loss Modules, Attenuators
Display Type	Active color LCD
Display Resolution	600 x 400 points

Connectivity and Interfaces

GPIB (IEEE-488) Interface	Yes (All modes and parameters accessible)
SCPI Command Compatibility	Yes (SCPI standard function codes)
RS-232 (Serial) Interface	RS232C (115200 bps maximum baud rate)
Parallel / Printer Port	Centronics
External Monitor / VGA Interface	VGA connector provided

Physical and Mechanical

Rack Mount Kit Option Numbers	Option 908
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Environmental

Storage Temperature	-40 °C to +70 °C
Operating Humidity	< 80% relative humidity from 10 °C to 35 °C (non-condensing)

Inputs & Outputs

Trigger Connectors	BNC (Trigger In, Trigger Out) on rear panel
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TECHNOLOGY

Lightwave Measurement

APPLICATIONS

Optical Component Testing

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