

Agilent Infinity 1260 II G7114A VWD

The **Agilent Infinity 1260 II G7114A** is a Variable Wavelength Detector (VWD) module for High-Performance Liquid Chromatography (HPLC) systems, known for its high speed, sensitivity, and ability to detect trace-level components. It features a broad linear range for quantifying multiple analytes, efficient electronic temperature control for baseline stability, and automatic wavelength verification, making it a robust tool for various analytical applications.



Specifications Agilent 1260 Infinity II G7114A

The **Agilent Infinity 1260 II G7114A** is a variable wavelength detector featuring a double-beam photometer, deuterium lamp, and a 120 Hz maximum data rate with advanced features like RFID flow cells and electronic temperature control. It weighs 11 kg and measures 140 x 396 x 436 mm, operating on 100–240 V~ power with 80 VA consumption. Key features include a built-in holmium oxide filter for wavelength verification, stop-flow wavelength scanning, and a wide linear range for quantification.

- Weight: 11 kg (24.3 lbs)
- Dimensions: 140 x 396 x 436 mm (5.5 x 15.6 x 17.2 inches)
- Power: 100 – 240 V~, ± 10 % wide-ranging capability
- Power Consumption: 80 VA, 70 W
- Ambient Operating Temperature: 4 - 55 °C (39 - 131 °F)
- Operating Altitude: Up to 3000 m (9842 ft)
- Humidity: < 95 % r.h. at 40 °C (104 °F) (non-condensing)

The Agilent 1260 Infinity II G7114A VWD is ideal for analytical laboratories focused on:

1. Trace-Level Analysis:
Precisely quantifying low-concentration components in samples.
2. High-Throughput Applications:
Maximizing productivity with fast analysis speeds and high data rates.
3. Complex Samples:
Gaining more information from a single run using dual-wavelength mode and time-programmable switching.
4. Reliable Quantification:
Ensuring robust and reproducible results due to low noise, low drift, and stable temperature control.



Key Features & Capabilities The Agilent 1260 Infinity II G7114A VWD

High Sensitivity & Low Noise

Achieves low detector noise and baseline drift, allowing for the accurate quantification of trace-level components.

High Productivity

Offers a fast data acquisition rate of up to 120 Hz for high-throughput and fast chromatography analyses.

Dual-Wavelength Mode

Provides more analyte information from a single run by allowing the simultaneous monitoring of two different wavelengths.

Time-Programmable Wavelength Switching

Enables the optimization of sensitivity and selectivity for different components within a single analysis.

Wide Linear Range

Supports the reliable, simultaneous quantification of both primary compounds and their impurities over a broad concentration range.

Electronic Temperature Control (ETC)

Ensures maximum baseline stability, even under fluctuating environmental conditions, for more consistent results.

Automated Wavelength Verification

Features a built-in holmium oxide filter for automatic verification of the wavelength, ensuring instrument accuracy.

RFID-Enabled Flow Cells & Lamps

Enhances traceability and simplifies maintenance by providing electronic tracking of component