

Agilent (Hewlett-Packard) 8508A Vector Voltmeter

Vector Voltmeter, 100 kHz - 1.0 GHz/2.0 GHz

The 8508A vector voltmeter is a fully automatic tuned receiver that makes RF voltage and phase measurements easy. Its narrowband measuring technique gives a dynamic range of over 90 dB and a sensitivity of 10 μ V to trace even the smallest signal. The 8508A also measures the phase difference between its two input channels with at least 0.1 degree resolution over a full +180 to -180 degree range, so they can be used for another complete set of measurements - such as electrical length, phase distortion, or impedance.

Features and Specifications

- Frequency range: 100 kHz - 1.0 GHz (300 kHz to 2.0 GHz with 85082 module)
- Maximum input: 2 V peak ac, \pm 50 Vdc; (+16 dBm with 85082 module)
- A (ref) channel minimum: 10 mV (-47 dBm with 85082), 100 kHz to 300 kHz 1 mV (-47 dBm with 85082), 300 kHz to 3 MHz 300 μ V, 3 MHz to 1.0 GHz (-57 dBm 3 MHz to 2.0 GHz with 85082)
- B noise level: 10 μ V (-87 dBm with 85082)
- HP-IB interface
- 100,120/220, 240 Vac +5% -10%; 48-440 Hz operation
- Weight: 21 lb; Size: 133 mm (5.25 in)H x 426 mm (16.75 in)W x 473 mm (18.65 in)D