

Specifications

Frequency range: 100 kHz to 50 GHz, sensor dependent.

Power range: -70 to +44 dBm (100 pW to 25 W), sensor dependent.

Accuracy

Instrumentation

Watt mode: $\pm 0.5\%$.

dBm mode: ± 0.02 dB ± 0.001 dB/degree C.

dB (REL) model¹: ± 0.02 dB ± 0.001 dB/degree C.

Zero: automatic, operated via front panel switch.

Zero set: $\pm 0.5\%$ of full scale on most sensitive range, typical.

Zero carry over: $\pm 0.2\%$ of full scale when zeroed on the most sensitive range.

Power reference: internal 50 MHz oscillator with Type-N female connector on front panel (or rear panel, Opt. 003)

Power output: 1.0 mW. Factory set to $\pm 0.7\%$ traceable to the US National Institute of Standards and Technology.

Accuracy: $\pm 1.2\%$ worst case ($\pm 0.9\%$ rss) for one year.

Supplemental Characteristics

Recorder output: linearly proportional to indicated power with 1 volt corresponding to full scale and 0.316 volts to -5 dB; 1 k Ω output impedance, BNC connector.

Power consumption: 100, 120, 220, 240V (+5%, -10%), 48 to 66 Hz, and 360 to 440 Hz; <20 VA (<23 VA with Opt. 022).

HP-IB function codes: AH1, C0, DC2, DT0, LE0, PP0, RL2, SH1, SR0, T3, TE0.

Weight: net, 4.5 kg (10 lb); shipping, 5.5 kg (12 lb)

Size: 134 H x 213 W x 279 mmD (5.2" x 8.4" x 11.0")