



Figure 6: Nominal Dynamic Range

Level Accuracy

Calibrator accuracy: $< \pm 0.4$ dB

Frequency response:

$< \pm 0.5$ dB (≥ 10 MHz)

$< \pm 1.5$ dB (< 10 MHz)

Amplitude fidelity: Log (RBW ≤ 3 kHz, ref level - attn = -10 to -50 dBm):

Range from ref level (dB)	Fidelity (dB)	Typ fidelity (dB)
0 to -30	0.05	0.02
-30 to -40	0.07	0.03
-40 to -50	0.12	0.05
-50 to -60	0.4	0.12
-60 to -70	1.2	0.4
-70 to -80	4.0	1.0

Sweep Characteristics

Sweep time (typical):

RBW	Span	Time
3 MHz	1.8 GHz	40 ms
1 MHz	1 GHz	60 ms
100 kHz	100 MHz	100 ms
10 kHz	10 MHz	400 ms
1 kHz	1 MHz	650 ms
100 Hz	100 kHz	1.4 s
10 Hz	10 kHz	1.5 s
1 Hz	1 kHz	11 s

General Characteristics

Operating Temperature/Humidity: 0° to 55°C, 15% < RH < 95%

Storage Temperature: -40° to 60°C

Power Requirement: 100/120/220/240 V $\pm 10\%$, 48 to 66 Hz, 500 VA max

Weight: 30 kg (66 lb) typical

Size: 425 mm W \times 235 mm H \times 553 mm D

Accessories

- HP 85046A/B S Parameter Test Sets
- HP 87512A/B Transmission/Reflection Test Kits
- HP 11850C 50 Ω 3-Way Power Splitter
- HP 11850D 75 Ω 3-Way Power Splitter
- HP 11667A 50 Ω 2-Way Power Splitter
- HP 86205A 50 Ω RF Bridge
- HP 86207A 75 Ω RF Bridge
- HP 85031B Precision 7 mm Calibration Kit
- HP 85032B 50 Ω Type N Calibration Kit
- HP 85033C Precision 3.5 mm Calibration Kit
- HP 85036B 75 Ω Type N Calibration Kit
- HP 11853A 50 Ω Type N Accessory Kit
- HP 11854A 50 Ω BNC Accessory Kit
- HP 11855A 75 Ω Type N Accessory Kit
- HP 11856A 75 Ω BNC Accessory Kit
- HP 11851B 50 Ω Type N RF Cable Kit
- HP 11857B 75 Ω Type N Test Port Extension Cables
- HP 11857D 50 Ω 7 mm Test Port Extension Cables
- HP 41800A 5 Hz to 500 MHz Active Probe
- HP 54701A 2.5 GHz High-Impedance Probe (HP 1143A required)
- HP 85024A 300 MHz to 3 GHz High Frequency Probe
- HP 1141A Differential Probe (HP 1142A required)
- HP 11945A Close Field Probe Set

Ordering Information

	Price
HP 4396A RF Network/Spectrum Analyzer	\$33,900
Opt 1C2 HP IBASIC	\$1,100
Opt 1D5 High Stability Frequency Reference	\$1,750
Opt 1D6 Time-Gated Spectrum Analysis	\$1,640
Opt 1D7 50 Ω to 75 Ω Spectrum Input Impedance Conversion	\$900
Opt 00M RGB Output	\$220