

	HP 3458A page 142	HP 3457A page 144	HP 34401A page 140	HP 34420A page 147	HP 970-series page 149
DC voltage Basic 1 yr accuracy (parts per million)	8 (4) (Opt 002)	25	35	30	0.3% to 0.05%
Resolution (nanovolts)	10	10	100	0.1	100 μ V to 10 μ V
Maximum reading rate (readings per second)	100,000	1,350	1000	1,000	2
Maximum range (volts)	1000	1000 (HP 44497A)	1000	100	1000
Resistance Basic 1 yr accuracy (percent)	0.001%	0.001%	0.01%	0.006%	0.5% to 0.06%
Resolution (microhms)	10	10	100	0.1	0.1 Ω to 0.01 Ω
AC voltage Basic 1 yr accuracy (percent)	0.009%	0.21%	0.09%	N/A	1% to 0.5%
Bandwidth	1 Hz to 10 MHz	20 Hz to 1 MHz	3 Hz to 300 kHz		up to 100 kHz
Functions	dc & ac V, 2- & 4-wire Ω , offset-compensated Ω , dc & ac I, frequency, period, math, test-sequence storage, ratio, 20 KB reading memory, digitizing, & HP-IB	dc & ac V, 2- & 4-wire Ω , offset-compensated Ω , dc & ac I, frequency, period, math, test-sequence storage, 6 KB reading memory, & HP-IB	dc & ac V, dc & ac I, 2- & 4-wire Ω , frequency, period, continuity, diode test, reading hold, dB, dBm, null, min/max, pass/fail, ratio, 512 rdg. storage, HP-IB, & RS-232	dc V, 2- & 4-wire Ω , 2 channel voltage input, temperature, 1,024 reading storage, HP-IB, RS-232, analog & digital filter	dc & ac V, dc & ac I, 2-wire Ω , diode test, audibility continuity temp, data hold, frequency, capacitance, Min/Max/Avg, bargraph, dual digital display, relative percent, current shutter
Options	Opt 001 Expanded reading memory to 148 KB Opt 002 High stability (4 ppm/yr) Opt 005 Waveform analysis library Opt 700 CILL language Opt W30 3-yr hardware support	Opt 700 CILL language Opt W30 3-yr hardware support 44497A 1000 V attenuator 44491A Armature relay mux 44492A Reed relay mux	Opt W50 5-yr hardware support	Opt W30 3-yr hardware support	E2304A Soft carrying case E2306A Deluxe test lead kit E2307A Thermocouple probe E2308A Thermistor probe
Digits	8½	6½/7½	6½	7½	3½ to 4½