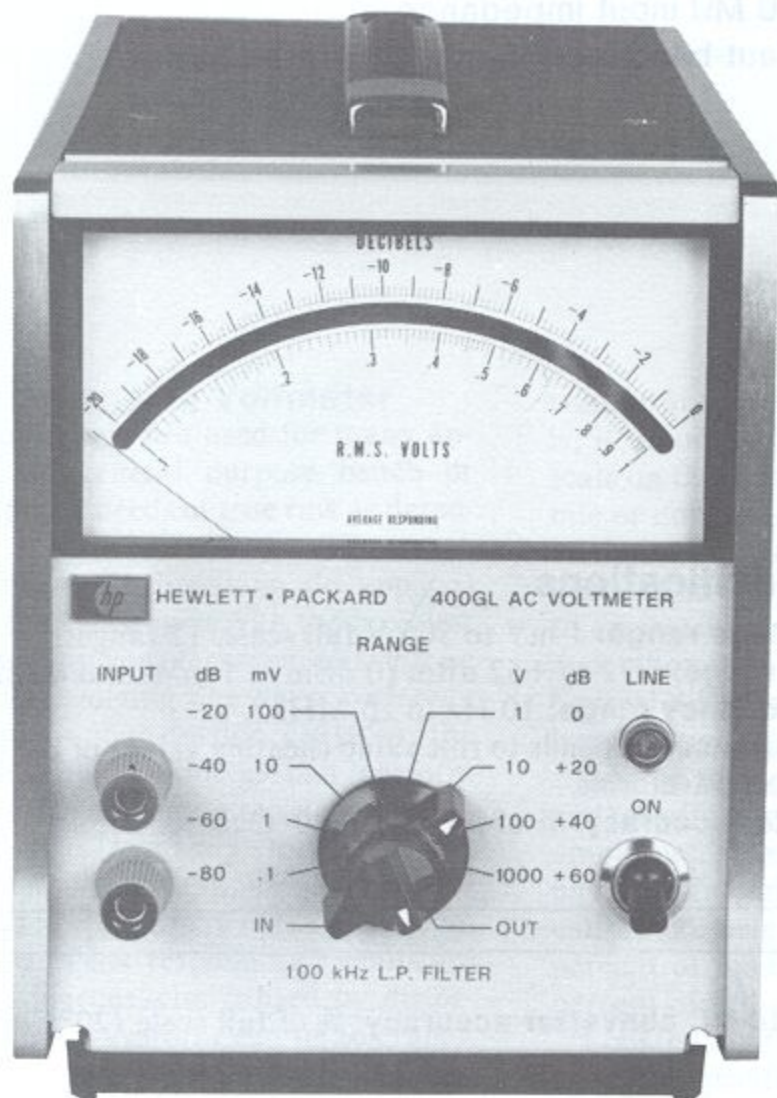


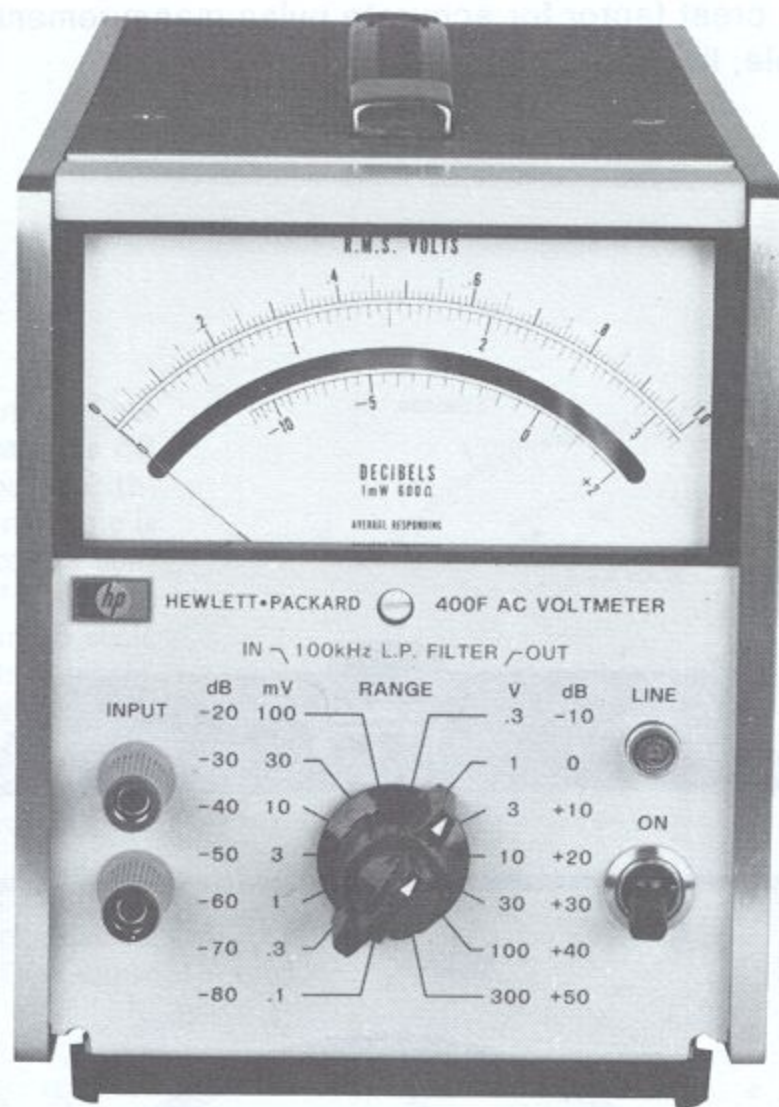
ANALOG VOLTMETERS

AC Voltmeter, 10 Hz to 10 MHz

Models 400E, EL, F, FL, GL



400GL



400F

Specifications

	400E/EL*	400F/FL*	400 GL
Voltage range	1 mV to 300 V F.S. 12 ranges	100 μ V to 300 V F.S. 14 ranges	-80 dB to +60 dB F. S. 8 ranges
Frequency range	10 Hz-10 MHz	20 Hz-4MHz	20 Hz-4 MHz
Input impedance	10 M Ω on all ranges <25 pF to <12 pF depending on ranges	10 M Ω on all ranges <30 pF to <15 pF depending on ranges	10 M Ω on all ranges <30 pF to <15 pF depending on ranges
Accuracy*	\pm (% reading + % range) 3 mV-300 V ranges 10 Hz-40 Hz; \pm (2.5 + 2.5) 40 Hz-2 MHz; \pm (1 + 0) 2 MHz-4 MHz; \pm (1.5 + 1.5) 4 MHz-10 MHz 3 mV range: \pm (2.5 + 2.5) 10 mV-3V range: \pm (3.0 + 2.0) for 4 MHz to 6 MHz \pm (3.75 + 3.75) for 6 MHz to 10 MHz 10 V-30 V: \pm (3.5 + 3.5) 1 mV range 10 Hz-40 Hz; \pm (2.5 + 2.5) 40 Hz-500 kHz; \pm (1 + 0) 500 kHz-4 MHz; \pm (2.5 + 2.5)	(% reading + % range) (% reading) 300 μV-300 V ranges F 20 Hz-40 Hz; \pm (2 + 2) 40 Hz-100 Hz; \pm (1 + 1) 100 Hz-1 MHz; \pm ($\frac{1}{2}$ + $\frac{1}{2}$) 1 MHz-2 MHz; \pm (1 + 1) 2 MHz-4 MHz; \pm (2 + 2) 100 μV range 30 Hz-60 Hz; \pm (2 + 2) 60 Hz-100 kHz; \pm (1 + 1) 100 kHz-500 kHz; \pm (1 + (+0, -7)) FL \pm 4 \pm 2 \pm 1 \pm 2 \pm 4 \pm 1, -8	+60 dB range 20 Hz-40 kHz; \pm 0.4 dB 40 kHz-100 kHz; \pm 0.2dB -60 dB thru + 40 dB ranges 20 Hz-40 Hz; \pm 0.4 dB 40 Hz-500 kHz; \pm 0.2 dB 500 kHz-2 MHz; \pm 0.4 dB 2 MHz-4 MHz; +0.2, -0.8 dB -80 dB range 30 Hz-60 Hz; \pm 0.4 dB 60 Hz-100 kHz; \pm 0.2 dB 100 kHz-500 kHz; + 0.2, -0.8 dB
Recovery	<2 s for 80 dB overload		
Overload	**500 V rms ac, 300 V dc		**1200 V rms max. input; 1000 V dc max. input
Calibration	Responds to average value of input; calibrated in rms value of sine wave. Scale -10 to +2 dB between ranges, 100 divisions on 0 to 1 scale. The dB scale reads -10 to +2 dB; 10 dB between ranges.		Responds to average value of input; calibrated in rms value of sine wave. Linear -20 to 0 dB scale, 100 divisions, 20 dB per range. Log voltage scale.
Weight	Net, 2.7 kg (6 lb). Shipping, 4.1 kg (9 lb)		
Size	159 mm H (without removable feet) x 130 mm W x 297 mm D (6.25" x 5.13" x 11")		
Power	AC: 115 or 230 V +10%, 48 to 440 Hz, 6 VA max. DC: External batteries: + and - voltages between 35 V and 55 V		
Price:	400E, \$850; 400 EL \$875	400F, \$850; 400 FL, \$875	400 GL, \$875

* NOTE: 400 EL same as 400E, and 400FL same as 400F, except for calibration. Linear dB scale -10 dB to +2 dB, 10 dB between ranges. Log voltage scales 0.3 to 1 and 0.8 to 3, 120 divisions from -10 dB +2 dB. 400 FL accuracy is % of reading in dB only.

** AC overload voltage decreases with increasing frequency.