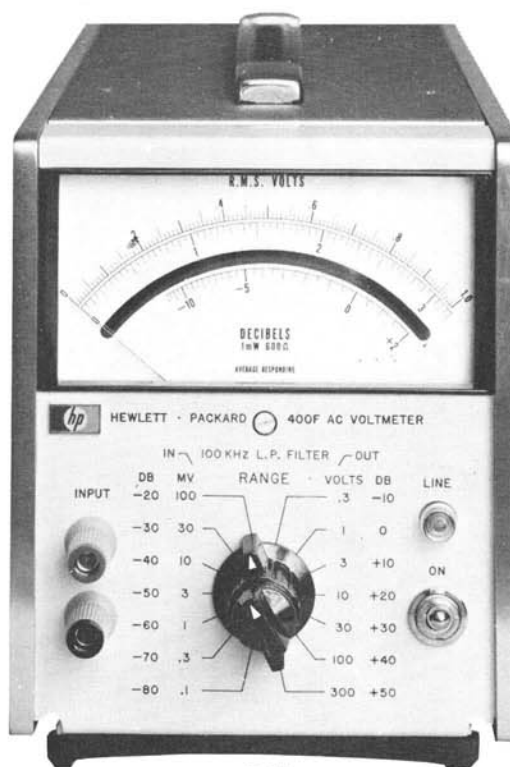




400GL



400F

### Specifications

	400E/EL*	400F/FL*	400 GL
Voltage range	1 mV to 300 V F.S. 12 ranges	100 $\mu$ 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 $\Omega$ on all ranges <25 pF to <12 pF depending on ranges	10 M $\Omega$ on all ranges <30 pF to <15 pF depending on ranges	10 M $\Omega$ on all ranges <30 pF to <15 pF depending on ranges
Accuracy*	<p><math>\pm</math>(% reading + % range)</p> <p><b>3 mV-300 V ranges</b></p> <p>10 Hz-40 Hz: <math>\pm</math>(2.5 + 2.5)</p> <p>40 Hz-2 MHz: <math>\pm</math>(1 + 0)</p> <p>2 MHz-4 MHz: <math>\pm</math>(1.5 + 1.5)</p> <p><b>4 MHz-10 MHz</b></p> <p>3 mV range: <math>\pm</math>(2.5 + 2.5)</p> <p>10 mV-3V range: <math>\pm</math>(3.0 + 2.0) for 4 MHz to 6 MHz <math>\pm</math>(3.75 + 3.75) for 6 MHz to 10 MHz</p> <p>10 V-30 V: <math>\pm</math>(3.5 + 3.5)</p> <p><b>1 mV range</b></p> <p>10 Hz-40 Hz: <math>\pm</math>(2.5 + 2.5)</p> <p>40 Hz-500 kHz: <math>\pm</math>(1 + 0)</p> <p>500 kHz-4 MHz: <math>\pm</math>(2.5 + 2.5)</p>	<p>(% reading + % range)</p> <p><b>300 <math>\mu</math>V-300 V ranges</b></p> <p>20 Hz-40 Hz: <math>\pm</math>(2 + 2)</p> <p>40 Hz-100 Hz: <math>\pm</math>(1 + 1)</p> <p>100 Hz-1 MHz: <math>\pm</math>(<math>\frac{1}{2}</math> + <math>\frac{1}{2}</math>)</p> <p>1 MHz-2 MHz: <math>\pm</math>(1 + 1)</p> <p>2 MHz-4 MHz: <math>\pm</math>(2 + 2)</p> <p><b>100 <math>\mu</math>V range</b></p> <p>30 Hz-60 Hz: <math>\pm</math>(2 + 2)</p> <p>60 Hz-100 kHz: <math>\pm</math>(1 + 1)</p> <p>100 kHz-500 kHz: <math>\pm</math>(1 + (+0, -7))</p>	<p><b>+60 dB range</b></p> <p>20 Hz-40 kHz: <math>\pm</math>0.4 dB</p> <p>40 kHz-100 kHz: <math>\pm</math>0.2 dB</p> <p><b>-60 dB thru +40 dB ranges</b></p> <p>20 Hz-40 Hz: <math>\pm</math>0.4 dB</p> <p>40 Hz-500 kHz: <math>\pm</math>0.2 dB</p> <p>500 kHz-2 MHz: <math>\pm</math>0.4 dB</p> <p>2 MHz-4 MHz: +0.2, -0.8 dB</p> <p><b>-80 dB range</b></p> <p>30 Hz-60 Hz: <math>\pm</math>0.4 dB</p> <p>60 Hz-100 kHz: <math>\pm</math>0.2 dB</p> <p>100 kHz-500 kHz: + 0.2, -0.8 dB</p>
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	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.		Linear dB scale, 100 divisions from -20 to 0 dB. Long voltage scale 0 dB = 1V.
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 279 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, \$675; 400 EL \$700	400F, \$675; 400 FL, \$600	400 GL, \$725

\* 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