



Table 1-1. Model 3400A Specifications

<p>VOLTAGE RANGE: 1 mV to 300 V full scale, 12 ranges.</p> <p>DB RANGE: -72 to +52 dBm (0 dBm = 1 mW in 600Ω).</p> <p>FREQUENCY RANGE: 10 Hz to 10 MHz.</p> <p>RESPONSE: Responds to rms value (heating value) of input signal.</p> <p>METER ACCURACY: % of Full Scale (20°C to 30°C)*</p> <table border="1"> <tr> <td>10 Hz</td> <td>50 Hz</td> <td>1 MHz</td> <td>2 MHz</td> <td>3 MHz</td> <td>10 MHz</td> </tr> <tr> <td>±5%</td> <td>±1%</td> <td>±2%</td> <td>±3%</td> <td>±5%</td> <td></td> </tr> </table> <p>AC-to-DC CONVERTER ACCURACY: % of Full Scale (20°C to 30°C)*</p> <table border="1"> <tr> <td>10 Hz</td> <td>50 Hz</td> <td>1 MHz</td> <td>2 MHz</td> <td>3 MHz</td> <td>10 MHz</td> </tr> <tr> <td>±5%</td> <td>±0.75%</td> <td>±2%</td> <td>±3%</td> <td>±5%</td> <td></td> </tr> </table> <p>OUTPUT: Negative 1 V dc into open circuit for full-scale deflection, proportional to meter deflection; 1 mA maximum; nominal source impedance 1000Ω.</p>	10 Hz	50 Hz	1 MHz	2 MHz	3 MHz	10 MHz	±5%	±1%	±2%	±3%	±5%		10 Hz	50 Hz	1 MHz	2 MHz	3 MHz	10 MHz	±5%	±0.75%	±2%	±3%	±5%		<p>OUTPUT NOISE: < 1 mV RMS.</p> <p>CREST FACTOR: (ratio of peak-to-rms amplitude of input signal): 10:1 at full scale (except where limited by maximum input), inversely proportional to meter deflection (e. g., 20:1 at half-scale, 100:1 at tenth-scale).</p> <p>INPUT IMPEDANCE: 0.001 V to 0.3 V range; 10 MΩ shunted by <50 pF; 1.0 V to 300 V range; 10 MΩ shunted by <20 pF. AC-coupled input.</p> <p>AC OVERLOAD: 30 dB above full scale or 800 V peak, whichever is less, on each range.</p> <p>MAXIMUM DC INPUT: 600 V on any range.</p> <p>RESPONSE TIME: For a step function, < 5 seconds to respond to final value.</p> <p>POWER: 115 or 230 V ±10%, 48 to 440 Hz. approximately 7 watts.</p> <p>WEIGHT: Net 7 1/4 lbs. (3, 3kg); shipping 10 lbs. (5 kg).</p> <p>OVERALL DIMENSIONS: 6 1/2" high; 5 1/8" wide; 11 11/16" deep.</p>
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*Temperature Coefficient: ±0.1% over range of 0°C to 20°C and 30°C to 55°C.