

1-19. SUPPLEMENTAL PERFORMANCE CHARACTERISTICS

1-20. Supplemental performance characteristics for the 8750A Storage-Normalizer are listed in

Table 1-2. Supplemental performance characteristics are not specifications; they are merely the typical operating features of a normally functioning 8750A.

Table 1-2. Model 8750A Storage-Normalizer Supplemental Performance Characteristics

<p>Memory Resolution Horizontal: Two display memories, 256 data points per memory (0.4% of full scale, 8-bit word) Vertical: 9-bit display resolution (0.2% of full scale) plus a 50% non-viewable overrange both above and below full screen. The overrange capability is useful in storing and normalizing traces that exceed full scale.</p>	<p>Digital/Analog Output Horizontal Output: Network Analyzer: Gain adjustable from 1 to 3V peak Offset adjustment allows $\pm 1.5V$ or 0 to 3V sweep output Spectrum Analyzer 0 to 3V nominal Offset $\pm 0.5V$ Gain adjustable from 0.7V to 3.5V</p>
<p>Input Horizontal Sweep Rate Maximum: 100 seconds Minimum: 10 milliseconds</p>	<p>Vertical Output: Network Analyzer: Same as vertical input with $\pm 10\%$ adjustment range Spectrum Analyzer: Same as vertical input with $\pm 10\%$ adjustment range</p>
<p>X-Y Recorder Outputs Horizontal Accuracy: 0V is within 20 mV of zero reference. Full scale is within $\pm 3\%$ of full scale reference. Vertical Accuracy: Full scale is within $\pm 3\%$ of full scale reference.</p>	<p>X-Y Recorder Outputs Sweep Time: 30 seconds per displayed trace Pen Lift: 0V minimum, 20V maximum. Maximum sink (pen down) current is 150 mA.</p>
<p>Display Refresh Rate 6 ms nominal</p>	<p>Horizontal Range: 0V to 1V nominal Vertical Range: $\pm 4V$ nominal</p>
<p>Video Detection Network Analyzer: Average detection (20 kHz) Spectrum Analyzer: Peak detection</p>	<p>Interface Blanking In: Blanked = High (Typically 3.5V into 20K ohms impedance) Unblanked = Low (typically 0.5V) Blanking Out: Blanked = High (typically 3.5V at 4 mA max.) Unblanked = Low (typically 0.4V at 10 mA max.) or Blanked = Low (typically 0.4V at 10 mA max.) Unblanked = High (typically 3.5V at 0.3 mA max.)</p>
<p>Analog/Digital Inputs Horizontal Input: Network Analyzer: 0 to 10V nominal Offset $\pm 0.5V$ Gain adjustable for 6 to 15V sweep ramp. Spectrum Analyzer: $\pm 5V$ nominal Offset $\pm 0.5V$ Gain adjustable $\pm 4.5V$ to $\pm 5.5V$</p>	<p>Power Requirements: 100, 120, 220 or 240 Vac $+5\%$ -10%; 48 to 440 Hz; ≤ 20 VA (≤ 20 watts)</p>
<p>Vertical Input: Network Analyzer: Two ranges $+1V$ to $-1V$; and $+2V$ to $-2V$ Offset $\pm 0.3V$ Gain adjustable approximately $\pm 20\%$ Spectrum Analyzer: 0 to $+8V$ or 0 to $-0.8V$ Offset $\pm 0.1V$ Gain adjustable $\pm 10\%$</p>	<p>Dimensions: 212 mm wide, 88 mm high, 269 mm deep (8.4 in. x 3.5 in. x 10.6 in.) Weight: 2.72 kg (6 lbs) net; 4.99 kg (11 lbs) shipping</p>