

## Memory Information and Procedures

Product: 34401A 6½ Digit Digital Multimeter

Date: January 15, 2015

<b>Memory Type:</b> CMOS SRAM	<b>Memory Size:</b> 32KB
<b>Memory Function:</b> Store readings and error messages	
<b>User Modifiable (Y/N):</b> Yes	<b>Volatile (Y/N):</b> Yes
<b>Memory Erase Processes:</b>  Power cycle of the unit erases all volatile memory <ul style="list-style-type: none"> <li>• Reading Storage (up to 512 reading may be stored in volatile memory; they can be cleared with a power cycle or by overwriting with other readings).</li> <li>• Error message storage (cleared by power cycle or by sending the *CLS command).</li> </ul>	

<b>Memory Type:</b> OTPROM	<b>Memory Size:</b> 256KB
<b>Memory Function:</b> stores operating code for the product	
<b>User Modifiable (Y/N):</b> No	<b>Volatile (Y/N):</b> No
<b>Memory Erase Processes:</b>  Contains operating code for the product. If you clear this, the instrument is dead.	

<b>Memory Type:</b> CMOS EEPROM	<b>Memory Size:</b> 512B
<b>Memory Function:</b> Store calibration constants and other non-volatile storage	
<b>User Modifiable (Y/N):</b> Yes	<b>Volatile (Y/N):</b> No
<p><b>Memory Erase Processes:</b>  Calibration constants are overwritten during the calibration/adjustment process. Other non-volatile storage must be manually overwritten with default information using the front panel.</p> <ul style="list-style-type: none"> <li>• Calibration Message (non-volatile 40 character message that can be over-written).</li> <li>• Calibration Count (this is a number that is stored by the instrument and tracks the number of single point adjustments that have been done since the product was manufactured – the maximum value for this number is 32,767 after which it wraps around to 0).</li> </ul> <p>The following items must be overwritten manually:</p> <ol style="list-style-type: none"> <li>1) GPIB Address</li> <li>2) Programming Language Selected.</li> <li>3) Parity for RS-232 Operation.</li> <li>4) Remote Interface Selection (RS-232 or GPIB).</li> <li>5) Baud Rate Setting.</li> <li>6) Display Format.</li> <li>7) Beeper State</li> </ol>	

<b>Memory Type:</b> OTPROM	<b>Memory Size:</b> 8-Bit MCU w/ 8K EPROM
<b>Memory Function:</b> Contains operating code for the earth-referenced logic which handles instrument I/O on GPIB and RS232	
<b>User Modifiable (Y/N):</b> Yes	<b>Volatile (Y/N):</b> No
<p><b>Memory Erase Processes:</b>  Contains operating code for the product, if erased I/O functions will not operate.</p>	