



Memory Information and Procedures

Product: 34401A 6½ Digit Digital Multimeter
Date: June 2, 2009

Memory Type: CMOS SRAM	Memory Size: 32KB
Memory Function: Store readings and error messages	
User Modifiable (Y/N): Yes	Volatile (Y/N): Yes
Memory Erase Processes: Power cycle of the unit erases all volatile memory <ul style="list-style-type: none">• 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).• Error message storage (cleared by power cycle or by sending the *CLS command).	

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

Memory Type: CMOS EEPROM	Memory Size: 512B
Memory Function: Store calibration constants and other non-volatile storage	
User Modifiable (Y/N): Yes	Volatile (Y/N): No
Memory Erase Processes: Calibration constants are overwritten during the calibration/adjustment process. Other non-volatile storage must be manually overwritten with default information using the front panel. <ul style="list-style-type: none">• Calibration Message (non-volatile 40 character message that can be over-written).• 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).	
The following items must be overwritten manually: <ol style="list-style-type: none">1) GPIB Address2) Programming Language Selected.3) Parity for RS-232 Operation.4) Remote Interface Selection (RS-232 or GPIB).5) Baud Rate Setting.6) Display Format.7) Beeper State	

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