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Memory Information and Procedures

Product: 34401A 6½ Digit Digital Multimeter

Date: October 3, 2006

| | |
|---|----------------------------|
| Memory Type: CMOS SRAM | Memory Size: 256KB |
| 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: EPROM | Memory Size: 4KB |
| Memory Function: Store calibration constants | |
| User Modifiable (Y/N): Yes | Volatile (Y/N): No |
| Memory Erase Processes: Overwritten via bus. Contains operating code for the product. If you clear this, the instrument is dead. | |

| | |
|---|---------------------------|
| Memory Type: CMOS EEPROM | Memory Size: 4KB |
| Memory Function: Store calibration constants and other non-volatile storage | |
| User Modifiable (Y/N): Yes | Volatile (Y/N): No |
| Memory Erase Processes: Overwritten during the calibration/adjustment process. <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). | |

| | |
|--|--|
| Memory Type: ROM | Memory Size: 8-Bit MCU w/ 8K EPROM |
| Memory Function: Store outguard details (i.e. GPIB address and RS232 settings). | |
| User Modifiable (Y/N): Yes | Volatile (Y/N): No |
| Memory Erase Processes: Selection of the GPIB (instrument) address. Can be changed only from the front panel (stored in non-volatile memory). <p>Use of the "*PSC 0" command allows some of the Power-on and Reset states to be stored in non-volatile memory (using the "*PSC 1" command will make these setting revert to the factory setting following a power cycle).</p> <p>The following items may be controlled in this manner:</p> <ol style="list-style-type: none"> 1) Programming Language Selected. 2) Parity for RS-232 Operation. | |

- 3) Remote Interface Selection (RS-232 or GPIB).
 - 4) Baud Rate Setting.
 - 5) Display Format.
 - 6) Beeper State.
-



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