



LB5900 Series Power Sensor Memory Information and Associated Procedures

Memory Type: FLASH	Memory Size: 2M bytes
Memory Function: CPU application firmware, Model#, Serial#, Cal Data, User settings, User CAL	
User modifiable: Yes if not option MIL	Volatile: No
Can be reset to factory defaults using: ":DIAG:BOOT:COLD FACTORY_PRESET_STATES_TABLES_SETTINGS_CALIBRATIONS"	
Can be Securely reset to factory defaults with option SEC using: ,":SERVICE:SECure:ERASE"	

Memory Type: RAM	Memory Size: 256 k bytes
Memory Function: firmware execution space	
User modifiable: Yes	Volatile: Yes
Memory is lost when external power is removed.	

Memory Type: RAM	Memory Size: 4 k bytes
Memory Function: DFU reboot state	
User modifiable: not directly	Volatile: Yes w/o super cap, No - 1 week w/cap
Option MIL – No super cap - Memory is lost when external power is removed – DFU disallowed Super cap used to run RTC and hold RAM typical discharge time – 1 week	

Memory Type: Real Time Clock	Memory Size: H:M:S Y:M:D
Memory Function: Time and Date	
User modifiable: Yes	Volatile: Yes w/o super cap, No - 1 week w/cap
Option MIL – No super cap - Memory is lost when external power is removed – Setting clock disallowed Can be set to defaults with ":SYST:DATE 0,0,0" & ":SYST:TIME 0,0,0" Option MIL – not accessible.	

Memory Type: DRAM	Memory Size: 2 G bit
Memory Function: ADC data	
User modifiable: Not directly	Volatile: Yes
Memory is lost when external power is removed.	

Device: FPGA	
Memory Type: RAM	Memory Size: 758 kbits
Memory Function: hardware logic	
User modifiable: No	Volatile: Yes
Not externally accessible.	
Memory Type: LUTS	Memory Size: 6,865 LUTs
Memory Function: hardware logic	
User modifiable: No	Volatile: No
Not externally accessible.	

Memory Type: NAND FLASH	Memory Size: 4 G bit
Memory Function: Option UOP unattended operation measurement storage	
User modifiable: YES	Volatile: No
Can be reset to factory defaults using:": UOP:ACT RESET" Can be Securely reset to factory defaults with option SEC using: ,":SERVICE:SECure:ERASE" Option MIL – not accessible.	