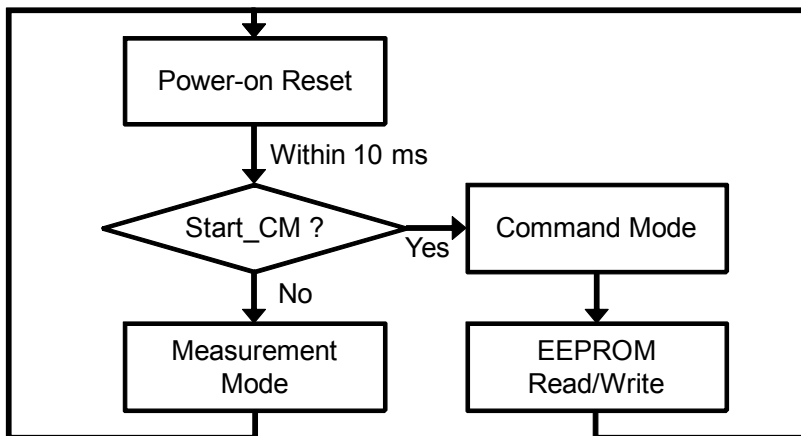


1. Command Mode

If you need to write and read EEPROM, you should enter command mode to use a Power-On-Reset (POR). To enter command mode HT-01X must receive a Start_CM command from microprocessor within 10 ms after power on.

1) Process of entering Command Mode



2) EEPROM Map

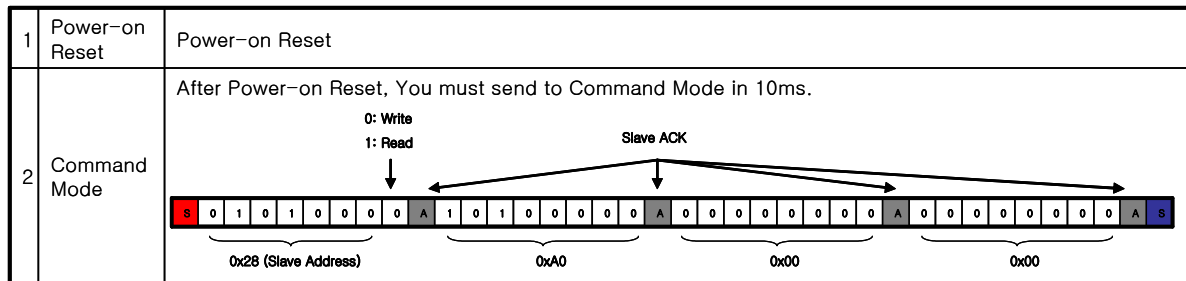
The EEPROM array contains the calibration coefficients for gain and offset, etc. The EEPROM is arranged as 32, 16-bit words. The EEPROM is divided into two sections. Words 0_H to 15_H are locked. Words 16_H to 1F_H are unlocked and available to write to at all times. 0x1C, EEPROM address, can set I2C address of HT-01X. It is possible that it changes range 0x00 to 0xFF. On command mode to change address it writes a form.

EEPROM Address	Bit Range	Default	Description and Notes
1C _H	15:0	0028 _H	Customer Configuration Register
1D _H	15:0	0000 _H	Do Not Change
1E _H	15:0	XXXX _H	Customer ID byte 2: For use by customer
1F _H	15:0	0000 _H	Customer ID byte 3: For use by customer

3) Command List and Encodings

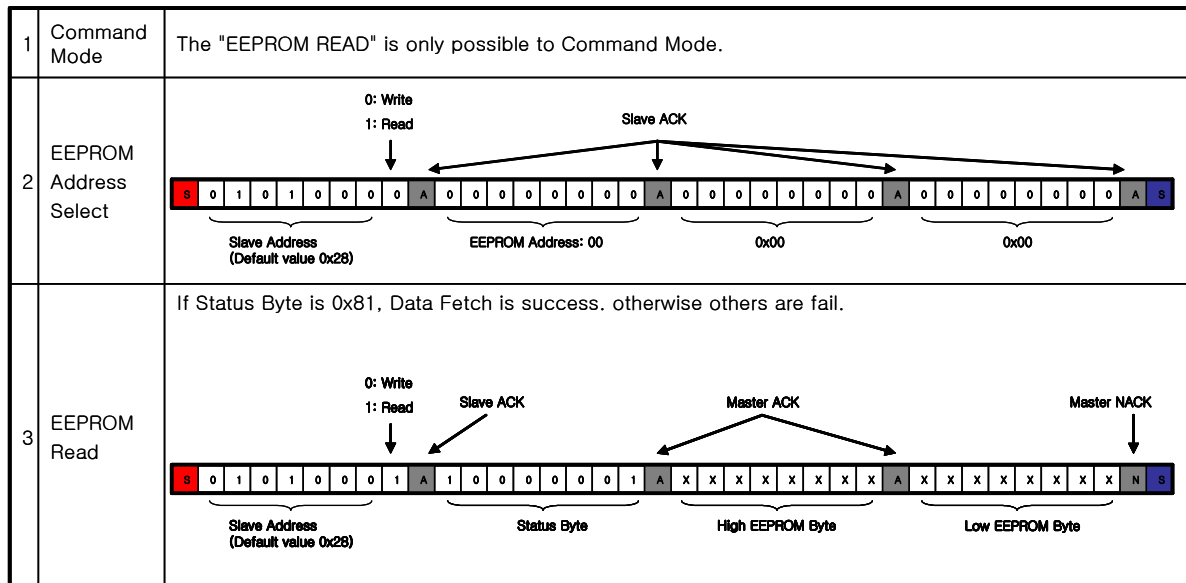
Command Byte 8 Command Bite (Hex)	Third and Fourth Bytes 16 Data Bite (Hex)	Description	Response Time
1C _H to 1F _H	0000 _H	EEPROM Read of addresses 1C _H to 1F _H After this command has been sent and executed, a data fetch must be performed.	100 μs
40 _H to 5F _H	YYYY _H (Y=data)	Write to EEPROM addresses 1C _H to 1F _H The 2 bytes of data sent will be written to the address specified in the 6 LSBs of the command byte.	12 ms
A0 _H	0000 _H	Star_CM Start Command Mode: used to enter the command interpreting mode. Start_CM is only valid during the power-on command window	100 μs

4) Start_CM Command on Power-on reset



5) Read and Write EEPROM

Read EEPROM



EEPROM Write

