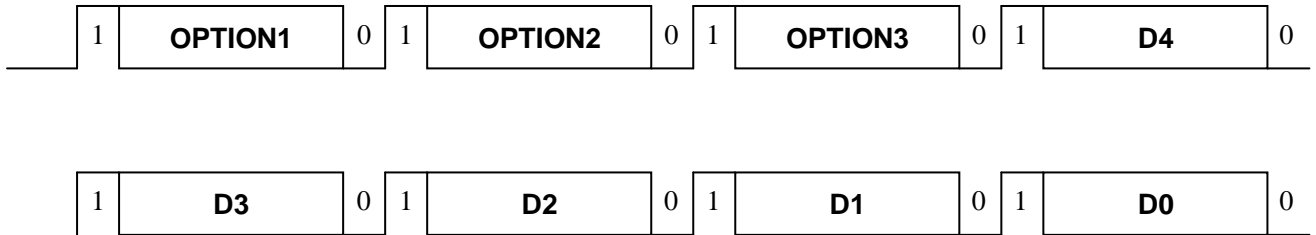
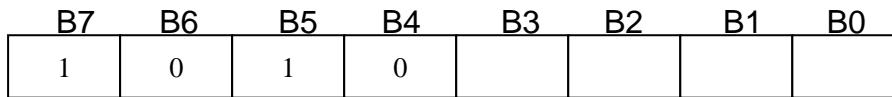


MS8050 Data Transmitted Format:



Each group data is made up of 8 bytes, transmitted baud rate is 2400, even parity bit, 8 data bits and 1 start bit, 1 stop bit.

1. OPTION1byte:



B7-B4: is a start marker of a set of data, serve as 1010.

| B3-B0 | 0000 | 0001 | 0010 | 0011 | 0100 | 0101 | 0110 |
|-------------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| ACV | 5.0000V | 50.000V | 500.00V | 5000.0V | | | |
| dBm | 500.00dBm | | | | | | |
| DCV | 5.0000V | 50.000V | 500.00V | 5000.0V | | | |
| DCV+ACV | 5.0000V | 50.000V | 500.00V | 5000.0V | | | |
| DCmV | | 50.000mV | 500.00mV | | | | |
| ACmV | | 50.000mV | 500.00mV | | | | |
| DCV+ACV | | 50.000mV | 500.00mV | | | | |
| Hz | 50.000Hz | 500.00Hz | 5.0000kHz | 50.000kHz | 500.00kHz | 5.0000MHz | 50.000MHz |
| Duty | 500.00% | | | | | | |
| ohm | 500.00Ω | 5.0000kΩ | 50.000kΩ | 500.00kΩ | 5.0000MΩ | 50.000MΩ | |
| Continuity | 500.00Ω | | | | | | |
| Capacitance | 50.00nF | 500.0nF | 5.000uF | 50.00uF | 500.0uF | 5000uF | |
| DCuA | 500.00uA | 5000.0uA | | | | | |
| ACuA | 500.00uA | 5000.0uA | | | | | |
| DCuA+ACuA | 500.00uA | 5000.0uA | | | | | |
| DCmA | 50.000mA | 500.00mA | | | | | |
| ACmA | 50.000mA | 500.00mA | | | | | |
| DCmA+ACmA | 50.000mA | 500.00mA | | | | | |
| DCA | 5.0000A | 50.000A | | | | | |
| ACA | 5.0000A | 50.000A | | | | | |



| | | | | | | | |
|---------|---------|---------|--|--|--|--|--|
| DCA+DCA | 5.0000A | 50.000A | | | | | |
|---------|---------|---------|--|--|--|--|--|

Remark: Capacitance is counted as 5000

2. OPTION2 byte:

| | | | | | | | |
|----|------|----|----|----|----|----|----|
| B7 | B6 | B5 | B4 | B3 | B2 | B1 | B0 |
| | HOLD | OV | | | | | |

B6 : HOLD marker, it means lock when it is 1.

B5 : excessive order marker, it means excessive when it is 1

B4-B0: level marker

| B4-B0 | | | |
|-------|-------------|-------|-----------|
| 00000 | ACV | 01100 | DCuA |
| 00001 | dBm | 01101 | ACuA |
| 00010 | DCV | 01110 | DCuA+ACuA |
| 00011 | DCV+ACV | 01111 | DCmA |
| 00100 | DCmV | 10000 | ACmA |
| 00101 | ACmV | 10001 | DCmA+ACmA |
| 00110 | DCV+ACV | 10010 | DCA |
| 00111 | Hz | 10011 | ACA |
| 01000 | Duty | 10100 | DCA+DCA |
| 01001 | Ohm | 10101 | |
| 01010 | Continuity | 10110 | |
| 01011 | Capacitance | 10111 | |

3. OPTION3 byte:

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| B7 | B6 | B5 | B4 | B3 | B2 | B1 | B0 |
| | | - | | | | | |

B5: when it is 1, it means the present data is negative, otherwise it is positive.

B4: When it is 1, it means hand-motion, otherwise it is auto-motion.

B3: when it is 1, it shows a symbol lacking of press, means the instrument lacks of press.

B2: When it is 1, it shows relative measure symbol, means it is relative state at the moment.

B1, B0:

| B1 | B0 | Display staus |
|----|----|---------------|
| 0 | 0 | |
| 0 | 1 | MAX |
| 1 | 0 | MIN |
| 1 | 1 | MAX-MIN |

4. D4-D0:



The numerical value by ASCII, the order in turn from higher place to lower place is D4, D3, D2, D1, D0.