Serial Communication Protocol and User Guide

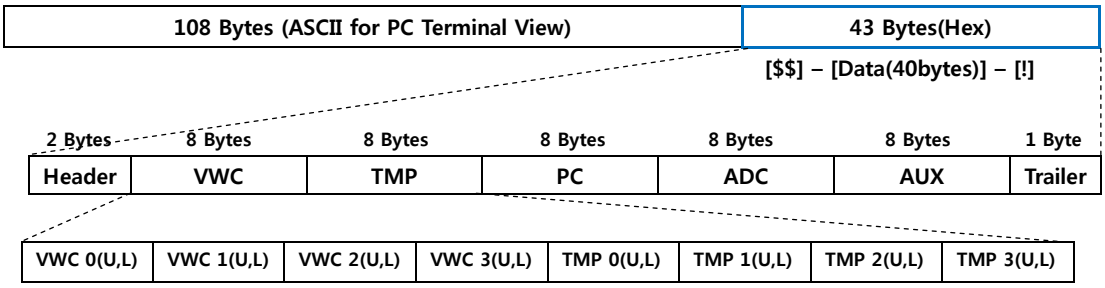
- Cube MTA40E, MTA50E

Rev 2.1 26Nov13

1. Data packet format

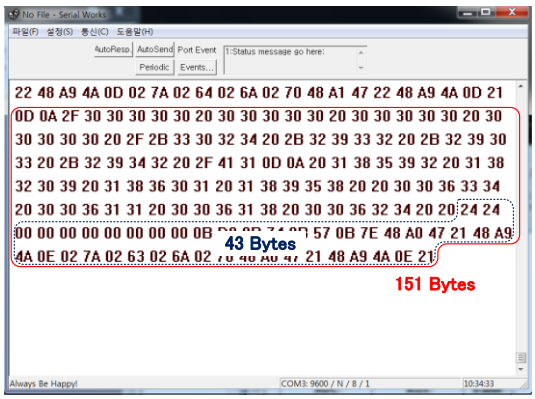
UART baud rate : 9600bps (Data 8, Stop 1, None parity, Hexadecimal)

Once Data Length : 151 Bytes

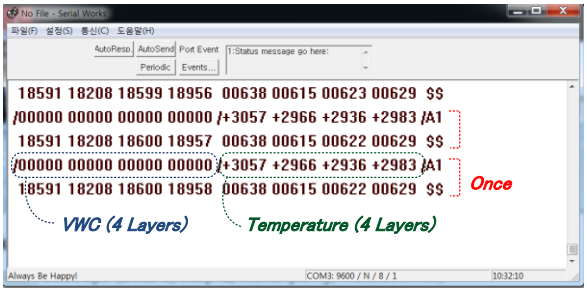


VWC : Volumetric Water Contents. (Ex. '346' -> 34.6%)

TMP : Temperature (Ex. '2141' -> 21.4℃)



PC Terminal Hex View



PC Terminal ASCII View

2. Wire Assignment

Red : Vcc(+12V) Black : Ground(0V)

Green : TX(Data out) White : RX(Calling mode. Connect to GND in 'Normal Mode')

3. Measuring

- Normal(Test) Mode : After Power on, Periodic Data out (about 4 seconds)
- Calling Mode : When A Character ' / ' is RXd, Data out.

Note : If you need High Measuring Stability, you must use it in 'Calling Mode'.

TSE Transducer System Electronics


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