

DMM Communication Protocol

一、Communication characteristics

- § Compatible USB isolated serial communication interface.
- § Baud rate: 19200bps, 8 data bits, No parity, 1 stop bit.

二、Communication protocol

- I Answer Data Format

data

data: 14 Bytes Hex

Data analysis

Byte 1 description:

Range, 0x30~0x37

Byte 2 description:

Data4: 0x30~0x39

Byte 3 description:

Data3: 0x30~0x39

Byte 4 description:

Data2: 0x30~0x39

Byte 5 description:

Data1: 0x30~0x39

Byte 6 description:

Data0: 0x30~0x39

7X(Hex)byte description:

=X.0(Hex): indicate the char b ten digit digital tube

=X.1(Hex): indicate the char g ten digit digital tube

=X.2(Hex): indicate the char c ten digit digital tube

=X.3(Hex): indicate the char d ten digit digital tube

Byte 7 description:

function

0x3B: V

0x3D: uA

0x3F: mA

0x39: A

0x33: Ω

0x35: continuity

0x31: diode

0x32: Frequency

0x36: capacitance

0x34: temperature

Byte 8 description:

=X.3(Hex): 1 indicate the char $^{\circ}\text{C}$, 0 indicate the char $^{\circ}\text{F}$

=X.2(Hex): indicate the char +/-

=X.1(Hex): indicate the char BATT

=X.0(Hex): indicate the char OL

Byte 9 description:

=X.3(Hex): indicate the char MAX

=X.2(Hex): indicate the char MIN

=X.1(Hex): indicate the char REL

Byte 11 description:

=X.3(Hex): indicate DC

=X.2(Hex): indicate AC

=X.1(Hex): 1 indicate the char AUTO, 0 indicate the char MANUAL

=X.0(Hex): 1 indicate freq/duty, 0 indicate DC/AC

Byte 12 description:

=X.3(Hex): indicate the char HOLD

Byte 13 description:

CR

Byte 14 description:

LF