SERIAL CONTROL CODE

Communication parameters

- Transmission rate : 1200 baud
- Character coding : 8-bit ASCII
- Parity : None
- Stop Bits : 1

1) Range code (read/write)

FUNCTION CODE	VOLT	OHM	AMPERE
A0	AUTO	AUTO	AUTO
A1	4V	400?	Low
A2	40V	4K?	High
A3	400V	40K?	
A4	1000V	400K?	
A5		4M?	
A6		40M?	

2) Special function code (write)

CODE	Special Function	CODE	Special Function
C0	Yellow	C6	Memory
C1	Relative	C8 AC	Power off
C3	Blue	C9	Reset
C4	Record	CA	Power off enable
C5	Range_hold	CB	Power off disable

ex) Whenever you provide 0xC4, 0x0d (Record function) code, the functions are changed.
0xC4,0x0d(auto hold) 0xC4,0x0d(min hold) 0xC4,0x0d(max hold)

3) Measure value read code (write only)

CODE	Special Function
E0	Measure value read

ex) Returned value is "^00.6802^V^",0x0a,0x0d
"^0207.56mV^",0x0a,0x0d
"^01236.0^Hz",0x0a,0x0d

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4) Function code (read only)

CODE	Description
B0	Volt
B1	DCmV
B2	Ohm
B3	Continuous/Diode
B4	Capacitance
B5	Frequency
B6	?
B7	mA/Temp(?)
B8	A/Temp(?)

5) Check code (write only)

CODE	Description	Returned value
F0	Check function	ex) 0xb0, 0x0a, 0x0d
F1	Check range	ex) 0xa0, 0x0a, 0x0d
F2	Check special function	ex) 0x10, 0x20, 0x30, 0x01, 0x0a, 0x0d

6) Error code (read only)

CODE	Description
FE	Unknown command

7) Transmit format

CODE + "0x0d"

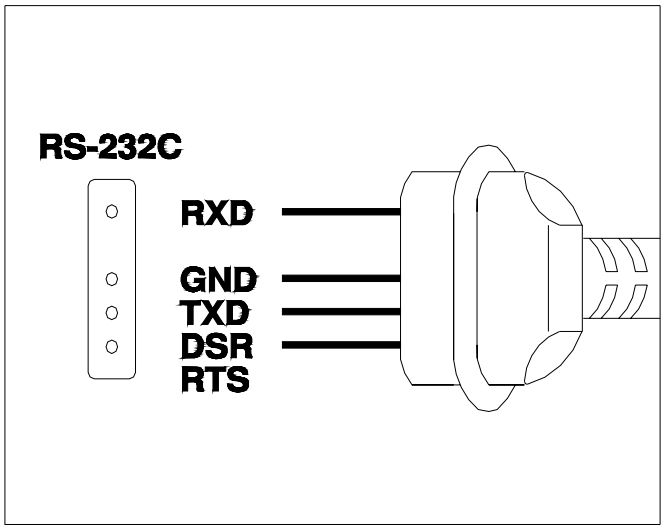
1 or 2 Byte Hex code

8) Receive format

CODE + "0x0a, 0x0d"

Hex code

Connection of RS-232C cable to the meter.



You need the following information if you are writing your own interface software.

Example

? Serial port initialize
? Function read
? Range change
? Special function change
? Measure value read

Details on returned value in special function code

Byte	1		2		3		4		5		6	
ex)	1	0	2	0	3	0	0	1	0	a	0	d
flag	rel	yellow	Blue	comp	auto	record	recall	memory	end code			

1. rel_flag

BIT	0 (1)	1 (2)	2 (4)	3 (8)
Function	relative			

2. yellow_flag

BIT	0	1	2	3
Function	mA	?		
	A	?		
	CAP	IND		

3. blue_flag

BIT	0	1	2	3
Function	DC	AC		
	continuity	diode		
	µADC	µAAC		

4. record_flag

BIT	0	1	2	3
Function	record mode active	auto hold mode	min. hold mode	max. hold mode