

SLIM TYPE MATH FUNCTION ISOLATED TRANSMITTER & CONTROLLER METER RELAY

**MODEL
SMMTR**



■FEATURES

- Accuracy 0.05% F.S.±1digit
- Math function A+B/A-B/AxB/A/B/A&B(Hi&Lo)/|A|/√A /etc.....
- Programmable rate -19999~99999 digit
- Max. two alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)
- Wide input range for auxiliary power
- Dimension small & Higt stability

1.MODEL:SMMTR - □ □ □ - □ □ □ □

NO	Input Type	NO	Input A Range	NO	Input B Range	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	A±B	1	DC0~50mV	1	DC0~50mV	0	None	0	None	N	None	A	AC/DC18~60V
B	AxB(A/B)	3	DC0~10V	3	DC0~10V	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	A&B(Hi or Lo)	5	DC-10~+10V	5	DC-10~+10V	2	Two	2	DC0~10V	Y	Modbus mode		
D	A	7	DC0~20mA	7	DC0~20mA			9	SPECIFIED		256 modes on bus		
E	√A	8	DC4~20mA	8	DC4~20mA								
O	SPECIFIED	9	SPECIFIED	9	SPECIFIED								

*When analog & RS-485 output, only one alarm output
 *When two-alarm output, only one analog output or another RS-485 output
 *Less 4VA for AC/DC input

2.SPECIFICATION

- Measuring accuracy : 0.05% F.S.±1 digit (23±5°C)
- Input resistance : >100 Mohm(< 2V range)
>2 Mohm(> 2V range)
<100 ohm (current input)
- Sampling time : 16 cycles/sec.
- Readout range : -19999~99999 digit adjustable
- Alarm delay time : 0~99.9 second adjustable
- Alarm action : HI or Lo adjustable
- Relay contact output : AC 250V-2.5A, DC 30V-5A
- Analog output resolution : 16 bit DAC
- Response time : < 250ms(0~90%)
- Output drive capability : < 10mA for voltage mode
< 10V for current mode
- Output ripple (p-p) : < 0.1% F.S.
- RS-485 address : "01"~"FF"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 50ppm/°C (0~50°C)
- Display : Red high efficiency LEDs high 6.8mm(0.268")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600 Vdc (input/output)
- Operating condition : 0~60°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN 55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM (Unit:mm)

