

SLIM TYPE FREQUENCY ISOLATED TRANSMITTER & CONTROLLER METER RELAY

MODEL
SMFTR



■ FEATURES

- Accuracy 0.03% F.S.
- Accepts input frequency rate 50Hz or 50KHz can be modified
- Measuring Pulse(TTL,CMOS),Switch contact Magnetic pick-up signal
- Input range from 0.01Hz to 50KHz
- 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:SMFTR - -

NO	Input Type	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
B	Pulse (NPN) & Dry contact	0	None	0	None	N	None	A	AC/DC18~60V
C	Pulse (PNP) & Dry contact	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
D	Magnetic pick-up(50mV~1.5V)	2	Two	2	DC0~10V	*Modbus mode *256 modes on bus		*Less 4VA for AC/DC input	
E	Magnetic pick-up(500mV~15V)	*Relay contact (AC250V-2.5A,DC30V-5A)		9	SPECIFIED				
F	AC2~60V	*Analog & RS-485 output only one alarm output		*Two-alarm output only one analog output or another RS-485 output					
O	SPECIFIED								

2:SPECIFICATION

- Measuring accuracy : 0.03% F.S. (23±5°C)
- Count input type : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Input trigger levels : High level (V_{IH}=DC4~30V)
Low level (V_{IL}=DC0~2V)
- Max.count rates : <50KHz (50% duty cycle)
<1KHz (Magnetic pick-up)
<50Hz (Switch contact)
- Sampling time : 20 cycles/sec. (>20Hz)
f cycles/sec. (<20Hz)
- Readout range : 0 to 99999 digit 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
- Display : Red high efficiency LEDs high 6.8mm (0.268")
- Parameter setting : Touch switches
- Sensor power supply : 12VDC±3%(<50mA)
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/power/display)
1600Vdc (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

