

微電腦型脈波輸入瞬間量, 累積量(9位數)顯示控制電錶

(MICROPROCESS RATE & TOTALIZER CONTROLLER METER)(PULSE INPUT)

MODEL
SY-MFRT



■特點(FEATURES)



- 顯示範圍0至19999(瞬間量),0至999999999(9位數累積量)可任意規劃
(Programmable rate 0 to 19999 digit (rate), 0 to 999999999 digit (totalizer))
- 精確度0.03%滿刻度(瞬間量) (Accuracy 0.03% F.S. (rate))
- 頻率輸入範圍 0.01Hz 至 10KHz (Input range form 0.01Hz to 10KHz)
- 瞬間量與累積量時間基數可任意規劃(1 或 60 或 3600 秒)(Programmable time base(1,60,3600 second))
- 瞬間量之最高顯示值可任意規劃(0至19999)(Programmable rate 0 to 19999 digit)
- 累積量之輸入脈波比例刻劃調整可任意規劃(0.00001至9999.99999)
(Programmable scale factor (0.00001 to 9999.99999)(totalizer))
- 具有二組警報功能(Dual alarm function) (optional)
- 15 BIT 隔離類比輸出(15 bit DAC isolating analog output function) (optional)
- 數位 RS-485 界面(Digit RS-485 interface function) (optional)
- 數位脈波同步輸出功能(Digital pulse output function) (optional)

SY-MFRT-□ □ □ □ □ - X X=NIL(none-pulse output) X=P(1 pulse/conut output)(Pulse outpt only one-alarm)
(選購型號)

NO	Input Type	NO	Input Type	NO	Input Type	NO	Input rates	NO	Alarm Output	NO	Analog output	NO	RS-485 output	NO	Aux. Power
A	Pulse(TTL)(5V)	D	Magnetic pick-up (AC50mV~1.5V)	F	AC2~60V	1	50 pulse/sec	0	Non-alarm	N	None	N	None	A	AC/DC 18~60V
B	Pulse(NPN)(12V)			O	SPECIFIED	2	5000 pulse/sec	1	One-alarm	I	DC4~20mA	Y	RS-485	B	AC/DC 90~260V
C	Pulse(PNP)(12V)	E	Magnetic pick-up (AC500mV~15V)				•50 pulse/sec. for relay contacts input	2	Two-alarm	V	DC0~10V		•Modbus RTU mode •256 nodes on bus		•Less 5VA for AC/DC input

•Two-wire transmitter (Exciting voltage DC10~36V)

2.SPECIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.03% F.S.(rate) (23±5°C)
- Count input type (脈波輸入型式) : Switch selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels (脈波動作電位) : HI bias (CMOS) (V_{IH}=7.5V, V_{IL}=5.5V) Lo bias (TTL) (V_{IH}=3.7V, V_{IL}=2.0V)
- Max. count rates (最高輸入頻率) : <10KHz (50% duty cycle)(pulse) <10KHz (magnetic pick-up)
- Sampling time (取樣時間) : 10 cycles/sec. (>10Hz)(rate) f cycle/sec. (<10Hz)(rate)
- Readout (compare) range (顯示值(比較值)範圍) : 0~19999 adjustable(rate) 0~999999999 adjustable (totalizer)
- Alarm action (繼電器動作方向) : Hi or Lo adjustable
- Relay contact output (繼電器容量) : AC 250V-5A, DC 30V-7A
- Analog output resolution (類比輸出解析度) : 15 bit DAC (isolating)
- Response time (反應速度) : < 1/f + 10ms (0~90%)
- Output drive capability (輸出負載能力) : <10mA for voltage mode <10V for current mode <[(V₊)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) (輸出之漣波) : <0.1% F.S.
- RS-485 baud rate (傳輸速率) : 19200/9600/4800/2400 selective
- RS-485 address (通訊位址) : "01"~"FF"(0~255)
- Display (顯示幕) : Red high efficiency LEDs high 10.16 mm (0.4")
- Memory mode (記憶方式) : Non-volatile E² PROM memory
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/output/power) 1600 Vdc(input/output)
- Operating condition (使用環境條件) : 0~50°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) : 0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification (CE認證) : 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

(外型尺寸與開孔尺寸與配線圖)

