

微電腦型脈波輸入瞬間量，累積量（8位數）顯示控制電錶 (MICROPROCESS RATE & TOTALIZER CONTROLLER METER)(24x48mm)

MODEL
MFRT-S



■ 特點(FEATURES)

- 顯示範圍0至99999(瞬間量)，0至99999999(8位數累積量)可任意規劃
(Programmable rate 0 to 99999 digit (rate) , 0 to 99999999 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)(Programable time base(1,60,3600 second))
- 瞬間量之最高顯示值可任意規劃(0至99999)(Programable rate 0 to 99999 digit)
- 累積量之輸入脈波比例刻劃調整可任意規劃(0.00001至9999.9999)
(Programable scale factor (0.00001 to 9999.9999)(totalizer))
- 具有二組警報功能(Dual alarm function)(optional)
- 16BIT隔離類比輸出(16 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(Digit pulse output function)(optional)

1. MODEL: MFRT-S

(選購型號)

NO	Input Type	NO	Input rates	NO	Alarm Output	NO	Analog Output	NO	RS-485 output	NO	Pulse Output	NO	Aux. Power
A	Pulse(TTL)(5V)	1	50pulse/sec	0	Non-alarm	N	None	N	None	N	None	A	AC/DC 18~30V
B	Pulse(NPN)(12V)	2	5000pulse/sec	1	One-alarm	I	DC 4~20mA	Y	RS-485	P	Pulse	B	AC/DC 90~260V
C	Pulse(PNP)(12V)	50pulse/sec. for relay contacts Input	2	Two-alarm	V	DC ~10V	• Modbus RTU mode • 256 nodes on bus						• Less 3VA for AC/DC input
D	SPECIFIED				R	SPECIFIED							

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) (VIH=7.5V, VIL=5.5V)
Lo bias (TTL) (VIH=3.7V, VIL=2.0V)
- Max. count rates (最高輸入頻率) : <10KHz (50% duty cycle)(pulse)
- 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) : 0-99999 adjustable(rate)
0~99999999 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) : 16 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
- 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)
- Output frequency (輸出頻率) : Max. 10Hz (synchronizer totalizer last digit)
- Pulse Output type (脈波輸出型式) : Transistor NPN open-collector
(Max. DC 30V/40mA)
- Display (顯示幕) : Red high efficiency LEDs high 9.5 mm (0.374")
- Memory mode (記憶方式) : Non-volatile E2 PROM memory
- Dielectric strength (絕緣耐壓能力) : 1.5KVac/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)
- Operating condition (CE 認證) : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN55024:1998/A1:2001

3. OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)

