

微電腦型類比輸入瞬間量, 累積量(9位數)顯示控制電錶 (MICROPROCESS RATE & TOTALIZER CONTROLLER METER)

MODEL
SY-MRT



■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0.05%滿刻度 ± 1 位數(Accuracy 0.05% F.S. ± 1 digit)
- 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))
- 具有開根號功能(Math-rootextractor function)
- 具有9段線性折補功能(Correction for non-linearity function(9 segments))(optional)
- 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)

1.MODEL: SY-MRT-☐ ☐ ☐ - ☐ ☐ ☐ - ☒ X=NIL(none-pulse output) X=P(1 pulse/conut output)

NO	Input Type	NO	Input Function	NO	Alarm	NO	Analog output	NO	RS-485 output	NO	Aux. Power
A	DC1~5V	N	Normal	0	Non-alarm	N	None	N	None	A	AC/DC 18V~60V
B	DC4~20mA	Y	Math-rootextractor	1	One-alarm	I	DC4~20mA	Y	RS-485	B	AC/DC 90V~260V
C	•DC1~5V			2	Two-alarm	V	DC0~10V		• Modbus RTU mode • 256 nodes on bus		• Less 5VA for AC/DC input
D	•DC4~20mA				• Pulse output only one-alarm	T	•DC4~20mA				
O	SPECIFIED					R	SPECIFIED				

Note: •Exciting supply DC24V(<25mA)

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

2.SPECIFICATION (主要規格)

- Measuring accuracy : 0.05% F.S. ± 1 digit (rate) (23 $\pm 5^{\circ}\text{C}$)
(精確度)
- Sampling time : 16 cycles/sec.
(取樣時間)
- Over input indication : " doFL " (過載顯示)
- Readout (compare) range : 0~19999 adjustable(rate)
(顯示值(比較值)範圍) 0~999999999 adjustable (totalizer)
- Alarm action : Hi or Lo adjustable
(繼電器動作方向)
- Relay contact output : AC 250V-5A, DC 30V-7A
(繼電器容量)
- Analog output resolution : 15 bit DAC (isolating)
(類比輸出解析度)
- Response time : < 250ms (0~90%)
(反應速度)
- Output drive capability : < 10mA for voltage mode
(輸出負載能力) < 10V for current mode
< [(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S.
(輸出之漣波)
- RS-485 baud rate : 19200/9600/4800/2400 selective
(傳輸速率)
- RS-485 address : "01"~"FF"(0~255)
(通訊位址)
- Temp. coefficient : 100ppm/ $^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
(溫度係數)
- Display : Red high efficiency LEDs high 10.16 mm(0.4")
(顯示幕)
- Memory mode : Non-volatile E² PROM memory
(記憶方式)
- Dielectric strength : 2KVac/1 min. (input/output/power)
(絕緣耐壓能力) 1600Vdc (input/output)
- Operating condition : 0~50 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
(使用環境條件)
- Storage condition : 0~70 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
(存放環境條件)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
(CE認證) 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)

