

MICROPROCESS RATE & TOTALIZER CONTROLLER METER

MODEL
MRT



FEATURES

- Programmable rate 0 to 19999 digit (rate), 0 to 999999999 digit (totalizer)
- Accuracy 0.05% F.S. ± 1 digit
- Programmable time base (1.60, 3600 second)
- Programmable rate 0 to 19999 digit
- Programmable scale factor (0.00001 to 9999.99999) (totalizer)
- Math-rootextractor function
- Correction for non-linearity function (9 segments) (optional)
- Dual alarm function (optional)
- 15 bit DAC isolating analog output function (optional)
- Digit RS-485 interface function (optional)
- Digital pulse output function (optional)

1.MODEL: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

- Measuring accuracy : 0.05% F.S. ± 1 digit (rate) ($23 \pm 5^\circ\text{C}$)
- Sampling time : 16 cycles/sec.
- Over input indication : " doFL "
- Readout (compare) range : 0~19999 adjustable (rate)
0~999999999 adjustable (totalizer)
- Alarm action : Hi or Lo adjustable
- Relay contact output : AC 250V-5A, DC 30V-7A
- Analog output resolution : 15 bit DAC (isolating)
- Response time : < 250ms (0~90%)
- Output drive capability : < 10mA for voltage mode
< 10V for current mode
< [(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S.
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 address : "01"~"FF" (0~255)
- Temp. coefficient : 100ppm/ $^\circ\text{C}$ (0~50 $^\circ\text{C}$)
- Display : Red high efficiency LEDs high 10.16 mm (0.4")
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600Vdc (input/output)
- Operating condition : 0~50 $^\circ\text{C}$ (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^\circ\text{C}$ (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

