

MICROPROCESS RATE & TOTALIZER CONTROLLER METER

MODEL
F-MRT



FEATURES

- Programmable rate 0 to 19999 digit (rate), 0 to 999999999 digit (totalizer)
- Accuracy 0.05%F.S. ± 1digit
- 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:F-MRT-

- X X=0(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	I	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 ± 5)
- 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"
- Temp. coefficient : 100ppm/ (0-50)
- 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 (20 to 90% RH non-condensed)
- Storage condition : 0-70 (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

