

MICROPROCESS RPM & LINE-SPEED CONTROLLER METER (PULSE INPUT)

**MODEL
MMR**



FEATURES

- Accuracy 0.03% F.S.
- Measuring Pulse(TTL,CMOS), Magnetic pick-up signal
- Accepts input rates up to 50KHz
- Display type of RPM or line-speed can be modified
- Input pulse of revolution can be modified (1-99999pulse/revolution)
- Multiplier bank analog output function
- Two alarm function (optional)
- 15 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1:MODEL:MMR-

NO	Input Type	NO	Input Type	NO	Display unit	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.POWER
A	Pulse (TTL) (5V)	E	Magnetic pick-up(500mV-15V)	1	RPM	0	None	N	None	N	None	A	AC/DC18-60V
B	Pulse (NPN) (12V)	F	AC2-60V	2	M/min	1	One	I	DC4-20mA	Y	RS-485	B	AC/DC90-260V
C	Pulse (PNP) (12V)	O	SPECIFIED	3	Y/min	2	Two	V	DC0-10V		Modbus mode 256 nodes on bus		Less 4VA for AC/DC input
D	Magnetic pick-up(50mV-1.5V)			4	f t/min		Relay contact (AC250V-5A,DC30V-7A)	T	DC4-20mA	R	SPECIFIED		
				9	SPECIFIED								
Two-wire transmitter (Exciting voltage DC10-36V)													

2:SPECIFICATION

- Measuring accuracy : 0.03% F.S. (23 ± 5)
- Count input type : Jump-pin selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : 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 : 50KHz (50% duty cycle)
- Sampling time : 10 cycles/sec. (>10Hz)
f cycles/sec. (<10Hz)
- Over input indication : " doFL "
- Readout range : 0 to 99999 digit adjustable
- Diameter setting : 0 to 9.9999M
- 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 address : "01"- "FF"
- RS-485 baud rate : 19200/9600/4800/2400 selective
- Display : Red high efficiency LEDs high 14.22mm (.56")
- Sensor power supply : 12VDC ± 3%(<60mA)
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/power/display)
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

