MICROPROCESS DUAL INPUT RPM & LINE-SPEED MATHS CONTROLLER METER

MODEL MMX-R

■ FEATURES

- Accuracy 0.03% F.S.
- Measuring Pulse(TTL,CMOS), Magnetic pick-up signal
- Dual input math function B-A , B/A , (B/A)-1,1-(B/A), B/(A+B)
- Accepts input rates up to 30KHz
- Display type of RPM or line-speed can be modified
- Input pulse of revolution can be modified (1~99999pulse/revolution)
- Two alarm function (optional)
- 15 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1:MODEL:MMX-R□ □ - □ □ □ □

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				
				9	SPECIFIED			R	SPECIFIED				

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

2:SPECIFICATION

- Measuring accuracy : 0.03% F.S. (23 ±5℃)
- Count input type : Switch 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 : 30KHz (50% duty cycle)
- Sampling time : 10 cycles/sec. (>10Hz) f cycles/sec. (<10Hz)
- Over input indication : " doFL "
- Readout range : –19999 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"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- Display : Red high efficiency LEDs high 14.22mm (0.56")
- Sensor power supply : 12VDC±3%(<60mA)
- Memory mode : Non-volatile E^2 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