

MICROPROCESS RPM & LINE-SPEED CONTROLLER METER



FEATURES

- Accuracy 0.03% F.S.
- Accepts input rates up to 20KHz
- Display type of RPM or line-speed can be modified
- Input pulse of revolution can be modified
- Dual alarm, compare hysteresis, alarm delay function
- 15 bit DAC analog voltage or current mode can be modified
- Autochange of decimal point can be modified
- Input pulse cut off sampling time (0.1-99.9 second) can be modified
- Display value depend on the mean input pulse several times can be modified

1. MODEL: PF - MR - X → See output switching table (S2)

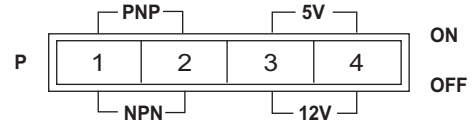
- 0 (non-alarm)
- 1 (one-alarm)
- 2 (two-alarm)

2. Specification

- Aux. power supply : AC110 & 220V ±20% (50 or 60Hz)
(Optional DC 24, 48, 110, 220V
AC/DC 90~260V ±10%)
- Measuring accuracy : 0.03% F.S. (23±5°C)
- Count input type : Switch selectable current sourcing or
current sinking
- Count input trigger levels : Switch selectable
Hi bias ($V_{IH}=7.5V$, $V_{IL}=5.5V$) or
Lo bias ($V_{IH}=3.7V$, $V_{IL}=2.0V$)
- Sampling time : 10 cycle/sec. ($\geq 10Hz$)
f cycle/sec. ($< 10Hz$)
- Over input indication : "ovEr"
- Readout (compare) range : "0" to "99999" adjustable
- Diameter setting : 0~9.999M
- Parameter setting : Touch switches
- Alarm action : "Hi" or "Lo" adjustable
- Compare hysteresis : 0~9999 digit adjustable
- Alarm delay time : 0~99.9 second adjustable
- Relay contact output : AC 250V~3A, DC 30V~5A
- Analog output resolution : 15 bit DAC
- Output drive capability : $\leq 10mA$ for voltage mode
 $\leq 10V$ for current mode
- Output ripple (p-p) : $< 0.1\%$ F.S
- Response time : $\leq 300ms$ (0~90%) $\geq (10Hz)$
- Display : Red high efficiency LEDs 14.22mm
(0.56")
- Sensor power supply : 12VDC ±10% ($\leq 50mA$)
- Memory mode : Non-volatile EEPROM memory
- Dielectric strength : 2KVac/1 min. (power/input/output)
- Operating condition : 0~50°C (20~90% RH non-condensed)
- Storage condition : 0~70°C (20~90% RH non-condensed)

3. Function switches (S1, S2)

- S1 → P₁, P₂, input type selection
P₃, P₄, input trigger level selection



- S2 → P₁-P₂-P₃-P₄-P₅-P₆ output range selection
P₇-P₈ output mode: voltage/current selection

X	Output Range	O/P Range 1-2-3-4-5-6	O/P Mode 7-8
0	non-output	switching status	ON=1 OFF=0
1	0~1V	1-0-1-1-1-0	1-1
2	0~5V	1-0-1-0-1-0	1-1
3	1~5V	1-1-1-0-1-1	1-1
4	0~10V	1-1-0-1-0-0	1-1
5	2~10V	1-1-1-1-0-1	1-1
6	0~1mA	0-1-1-1-1-0	0-0
7	0~10mA	1-0-1-0-1-0	0-0
8	0~20mA	1-1-0-1-0-0	0-0
9	4~20mA	1-1-1-1-0-1	0-0
S	SPECIFIED (NON-PROGRAMMABLE)		

4. Outside dimension and connection diagram

