

MICROPROCESS RPM & LINE-SPEED METER



FEATURES

- Accuracy 0.01% F.S.
- Accepts input rates up to 5KHz (Optional up to 50KHz)
- Display type of RPM or line-speed can be modified
- Display unit (M/min), (y/min), (ft/min) of line-speed can be modified
- Input pulse of revolution can be modified (1~9999)
- Decimal point can be modified
- Input pulse cut off sampling time can be modified (0.1 to 99.9 second)
- Display value depend on the mean input pulse several times can be modified (1 to 99 times)



1. MODEL: PF-L(R) - ■ ■ ■ - ☐ X=5 (Input rate up to 5KHz) X=50 (Input rate up to 50KHz)
PF-L(R)N - ■ ■ ■ - ☐ (Non-rotary switches) (Non-line driver type)

NO	Input Type	NO	Sensor Power	NO	Aux. Power
1	Pulse (TTL) (5V)	A	DC 5V ($\leq 100\text{mA}$)	0	DC 12V
2	Pulse (NPN) (12V)	B	DC 12V ($\leq 50\text{mA}$)	1	AC 110/220V
3	Pulse (PNP) (12V)			2	DC 24V
4	AC 1-60V			3	DC 48V
5	Line-driver RS422(5V)			4	DC 110V
6	Line-driver RS422(12V)			5	DC 220V
9	SPECIFIED			6	AC90~260V
				• $\pm 20\%$ of rate, less 2.5VA for AC input • $\pm 20\%$ of rate, less 2WATT for DC input	

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2. Specification

- Aux. power supply : AC 110 & 220V $\pm 20\%$ (50 or 60Hz) $\pm 20\%$
 (Optional DC 12, 24, 48, 110, 220V
 AC/DC 90~260V $\pm 10\%$)
- Measuring accuracy : 0.01% F.S. (23 $\pm 5^\circ\text{C}$)
- Count input type : Switch selectable current sourcing or current sinking
- Count input trigger levels : Switch selectable
 Hi bias ($V_{IH}=7.5\text{V}$, $V_{IL}=5.5\text{V}$) or
 Lo bias ($V_{IH}=3.7\text{V}$, $V_{IL}=2.0\text{V}$)
- Max. count rates : 5KHz (optional up to 50KHz)
 (50% duty cycle)
- Sampling time : 10 cycle/sec. ($\geq 10\text{Hz}$)
 f cycle/sec. ($< 10\text{Hz}$)
- Over input indication : "ovEr"
- Readout range : "0" to "99999" adjustable
- Diameter setting : 0~999mm (PF-L(R)) (rotary switches)
 0~9.9999mm (PF-L(R)N)
 (Touch switches setting)
- Parameter setting : Touch switches
- Display : Red high efficiency LEDs 14.22mm (0.56")
- Memory mode : Non-volatile EEPROM memory
- Sensor power supply : 12VDC $\pm 10\%$ ($\leq 50\text{mA}$)
- Dielectric strength : 1.5KVac/1 min. (input/power)(PF-L(R))
 1.5KVac/1 min. (input/power/display)
 (PF-L(R)N)
- Operating condition : 0~50 $^\circ\text{C}$ (20~90% RH non-condensed)
- Storage condition : 0~70 $^\circ\text{C}$ (20~90% RH non-condensed)

3. Outside dimension and connection diagram

