

Type		For General purpose Conforms to RoHS, CE marking	
Number of output pulses		Speed	120, 1200 P/R
		Length	200 P/R
Mechanical specification	Roller material		Aluminum + Polyurethane rubber baked on the roller surface *1
	Roller outer circumference		200 ^{+0.2} mm
	Roller diameter		φ 63.66 mm
	Maximum allowable load		Radial 20 N
	Starting torque		1 mN·m
	Moment of inertia		600 g·cm ²
	weight		0.4 kg
Operating environment	Operating temperature range		0 to +50 °C
	Maximum humidity		93 % *2
	Operating environment		—
	Maximum vibration		19.6 m/s ² *3
Electrical specification	Speed measurement range		0 to 600 m/min *6
	Measurement unit	Speed	1200 P/R : 0.01 m/min 120 P/R : 0.1 m/min
		Length	200 P/R : 1 mm
	Output waveform		2-phase square wave
	Output voltage		“Hi”:10 V or more “Lo” : 0.5 V or less
	Output format		Totem-pole *4 Emitter (RP-0701) *5 Collector (RP-0702) *5 Open collector (RP-0703) *5
	Connecting method		Connector (RM12BPE-5S)
	Power supply (current consumption)		DC12 V±5 % (100 mA or less)
Applicable counter		RV-3150*/TM series	
Applicable cable (option)		For TM series : RP-0181 (one-side crimp-on terminal M3) For RV-3150 : RP-0182(one-side open)	

*1 Degree of hardness: A90

*2 at 40 °C, 8 h, no condensation

*3 2h each in X,Y and Z direction

*4 Load resistance: 470 Ω or more

*5 Available as an option

*6 Speed measurement range depends condition of measurement object.

■ Accumulated error occurs depending on setup condition, roller slipping, or roller wear etc.

■ RV-3150 Reversible counter has correction function. Outer circumference error by roller wear can be corrected

Roller encoders enable line speed and distance measurements

Ideal for linear measurement of moving objects



RP-7400

- Conforms to RoHS, CE marking
- Speed measurement : 120 P/R, 1200 P/R, Length measurement : 200 P/R
- Easy measurement by only pressing the roller against moving object.
- Grippy roller which is made of urethane-coating rubber
- Using with the TM-3100 series enable direct reading of speed measurement.
- Speed measurement can be performed with 0.01 m/min (1200 P/R).
- Length measurement can be performed with 1 mm/pulse (200 P/R).