

Main Unit Spec

Laser Rotary Encoder M-1S		
Light Source		Semiconductor Laser 780nm, 5mw max.
Pulse / Revolution		50000
Resolution		6.48 arc-sec
Maximum Response		2 MHz (2400rpm)
A,B Phase Output	Output Signal	2 Phase Rectangle Wave Signal
	Signal Type	Differential Line Driver
	Phase Difference	90° ±10° (0 ~ 500kHz) 90° ±20° (500kHz ~ 2MHz)
Z Phase Reference	Output Signal	Rectangle Wave Signal
	Signal Type	Differential Line Driver
	Pulse Width	100 ~ 250 nsec
Maximum Permissible Rotating Speed		5000 rpm
Starting Torque		50 g-cm or less
Rotor Inertia Moment (GD ²)		40gcm ²
Power Supply	Voltage	± 5V DC, ±5%
	Current (no output load)	+5V: 280mA max. -5V: 100mA max.
Outer Diameter		56mm
Weight (without cable)		260g
Ambient Conditions	Operating Temperature	0 ~ 50 °C
	Storage Temperature	-30 ~ 80°C
	Humidity	90% RH or less (no condensation)