

Main Unit Spec

	R-1SO	R-1SL
Light Source	Semiconductor Laser 780nm, 5mW max.	
Pulse / Revolution (without external interpolation)	81000	
Resolution	4 arc-sec	
Maximum Response	500kHz (360rpm)	
Output Signal		
A/B Phase Output	2 Phase Rectangle Wave Incremental Signal Open Collector	2 Phase Rectangle Wave Incremental Signal Balanced Line Driver
Z Phase Output	Rectangle Wave Signal Open Collector	Rectangle Wave Signal Balanced Line Collector
Permissible Rotating Speed	max 5,000rpm	
Starting Torque	max 9gf·cm	
Rotor Inertial moment (GD ²)	8gf·cm ²	
Power Supply		
Voltage	± 5V DC, ± 5%	
Current (without output load)	+5V 200mA max -5V 100mA max	+5V 250mA max -5V 100mA max
Outer diameter	Ø36mm	
Weight (without cable)	80g	
Working Environment		
Operating Temperature	0°C ~ 50°C	
Storage Temperature	-30°C ~ 80°C	
Humidity	90%RH or less (No condensation)	