

# HEAVY DUTY ENCODER (INCREMENTAL)

The shaft incremental encoders are used for precision measuring to transduce position, distance angle or speed.



## FEATURES:

- CE compliant incremental encoders
- Differential output for A.B.Z signal
- Protection class IP65
- Heavy duty shaft & robust constructor design
- Max. Speed: 6000RPM is suitable for CNC lathe machine.
- Standard with male industrial duty connector
- Female circular connector for option

## SPECIFICATION:

Heavy Duty Encoder (Incremental)		
Electrical	Resolution	1024
	Power supply	DC 5V $\pm$ 10%
	Current consumption	150mA or less
	Output voltage	H : 2.5V or more L : 0.5V or less
	Max. sinking current	20mA MAX
	Signal rising & Falling time	200 nS or less
	Max. Response	150 KHz
Mechanical	Starting torque	1 kgf · cm
	Angular acceleration	$2 \times 10^5$ rad · s <sup>2</sup>
	Shaft loading	Axial : 5.0kgf Radial : 5.0kgf
	Moment of inertia	170g · cm <sup>2</sup>
	Max. Speed.	6,000RPM
	Bearing life	$5 \times 10^7$ / RPM · hrs
	Weight	1100g
Environmental	Protection	IP65
	Operating temperature	- 5°C ~ + 60°C
	Storage temperature	- 30°C ~ + 80°C
	Operating humidity	RH 85% or less No condensation
	Vibration	10~55Hz/1.5 mm 2hr
	Shock	50G/11ms X,Y,Z each 3 times



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