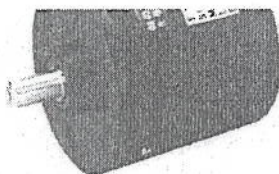


HI SERIES

Sumtak



- Suitable for small spaces and hostile environments hence the diameter is only 67 mm, the construction is drip-proof, and the cable is oil proof. The output can be directly linked to the 24V DC open collector and PC.
- The number of divisions, and the output code can be selected according to the customers' requirements.

Explanation of Model

AT

Model

○○○○

Function No.

○○○○

Number of divisions (2-360)

Direction of a scale increase

0: CW (rotation viewing encoder shaft)

1: CCW (rotation viewing encoder shaft)

Output Code

The output code can be produced according to customers' requirement.

Codes can be basically classified into BCD (with TP), binary (with TP), and other special codes.

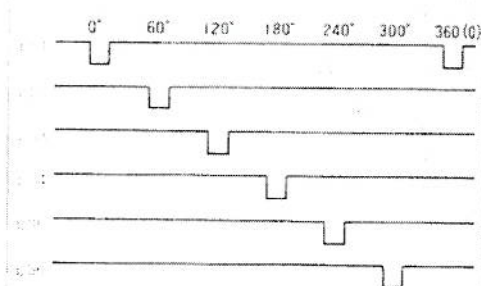
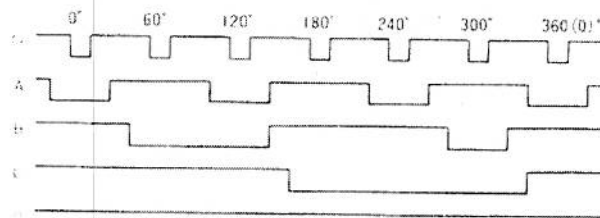
Refer to the following examples.

Special codes, 6 divisions (strobe signal)

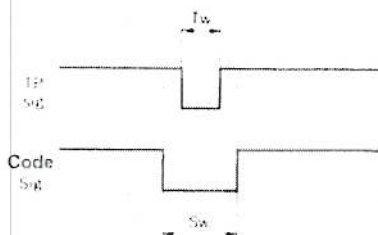
Available up to 360 divisions

6-divisions, BCD with TP (strobe signal)

Available up to 60 divisions



Division Accuracy



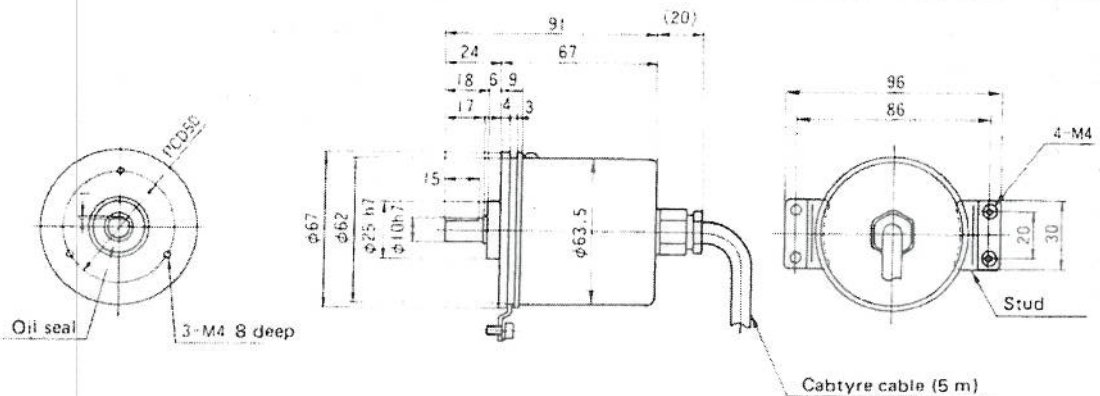
TP signal

- Manufacturing condition: $1.5\% \cdot Tw$
- Accuracy: $\pm 0.5^\circ$

Code signal

- Manufacturing condition: $Tw \cdot Sw \cdot \frac{360}{\text{Number of divisions}} = 1.5$
- Accuracy: $\pm 0.5^\circ$

External View



Max. rpm	20000 r/min	
Allowable torque	0.98 N·m	
Allowable mounting misalignment	Angular offset	1.5°
	Parallel offset	0.2mm
Torsional rigidity	264 N·m/rad	
Temperature range	-30°C ~ +100°C	
Weight	0.028 kg	
Moment of inertia (GD ²)	2.5 × 10 ⁻⁶ kg·m ²	
Dia. of shaft hole	No key	5~10mm
	Set-screw	M3

