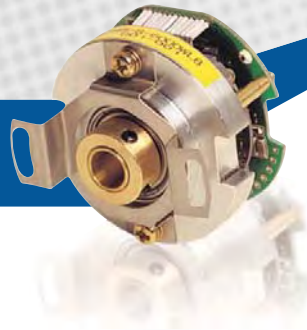


INCREMENTAL HOLLOW TYPE H45 Series

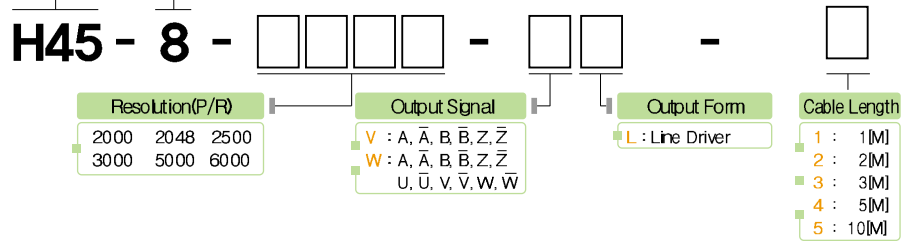
- Features : AC, DC SERVO MOTOR
 Small sized , High-response frequency
 Easy to be attached, Customized design,
 Prompt delivery



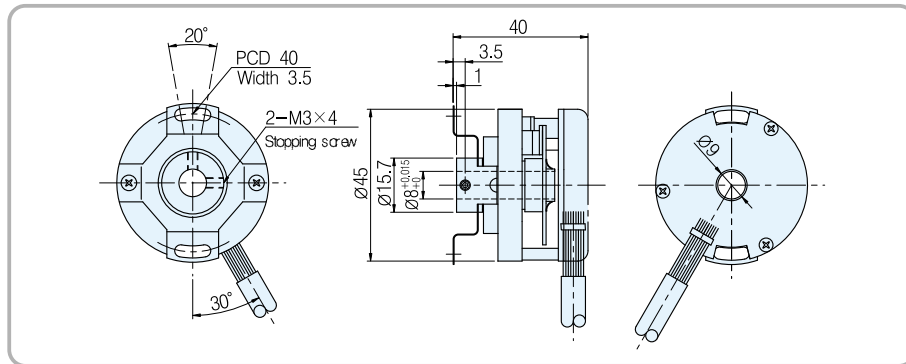
Model

INCREMENTAL HOLLOW TYPE
 Outer Diameter $\varnothing 45$

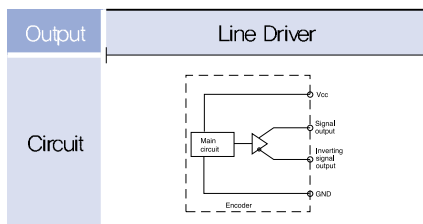
Shaft Size
 8 : $\varnothing 8$



External Dimension



Output Circuit



Electrical Spec.

Output type	Voltage Output
Power Supply	DC +5[V] Ripple p-p : less than 5%
Consuming Current (In case of no load)	300mA Max
Maximum Response Frequency	300 KHz
Output voltage	Less than V 0.5[V] / More than V+ 2.5[V]
Output current	Less than 20mA
Rising, decline time	Less than 1us
Common conditions	In case that the cable length of output side is 1[M] and load resistance is less than 1[k Ω]

Mechanical Spec.

Starting Torque	80g - cm Max
Main number of resolution	6000 rpm
Bearing lifetime	30,000[hr](In case of rotating by 5000rpm)
Allowable Shaft Load	Radial : 2.2kg Max Axial : 1.1kg Max
Position deflection of allowable shaft	Radial : Less than 0.03 mm Axial : Less than 0.2mm
Connection Table	7P(AWG26) Shield CABLE
weight	200g

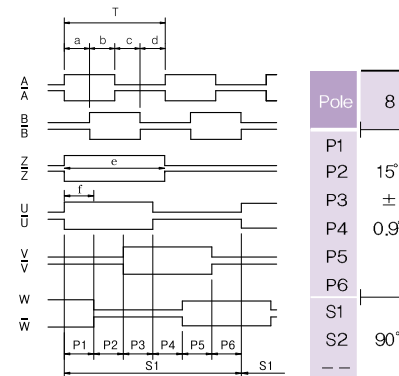
Rigid Spec.

Operating Temp. Range	-10°C ~ +70°C (No freezing)
Preserving temp	-20°C ~ +85°C
Using humidity	35% ~ 70% RH
Preserving Humidity	30% ~ 80% RH
Internal Vibration	5G
Internal Shock	50G
Degree of Protection	IP 00

Output Phase Shift

CCW \rightarrow Counter-clockwise viewed from shaft end

$a + b, c + d = T/2 \pm T/10$
 $a, b, c, d = T/4 \pm T/10$
 $e = T \pm T/2$
 $f =$ The center of Z phase and U phase ($\pm 1^\circ$)
 From Uch (rise point) to Zch center



Connection Table

Cable's Color	Connection Table
Output Form	Line Driver
Red	Vcc
Black	GND
Green	A Sig
White/Green	\bar{A} Sig
Gray	B Sig
White/Gray	\bar{B} Sig
Yellow	Z Sig
White/Yellow	\bar{Z} Sig
Brown	U Sig
White/Brown	\bar{U} Sig
Blue	V Sig
White/Blue	\bar{V} Sig
Orange	W Sig
White/Orange	\bar{W} Sig
Shield	CASE Shield