

MANUAL PULSE GENERATOR

(PANEL-MOUNTED HANDWHEEL)

iHDW-AX Series

**Suitable for CNC lathes or small machines.
Easy for operators to do axial adjustment.**



Features

- **Dust and water proof**
- **25 PPR or 100 PPR available**
- **Short body and light weight design**
- **Power supply system DC 5V / DC 12V / DC 24V**
- **Provide dimension Ø60 and Ø80mm handle wheel to choose**
- **Multiple output type suit for many CNC controllers**
- **Protect inversion of polarity**

Ordering Information

iHDW	A	A	60
SERIES NAME	MODEL	TYPE	DIAMETER
iHDW	A	Type	Diameter
		Specification	Handwheel Diameter
		Power	60
		Pulse	Ø60mm
		Output	80
			Ø80mm
		A	
		B	
		C	
		D	
		E	
		F	
		G	
		H	

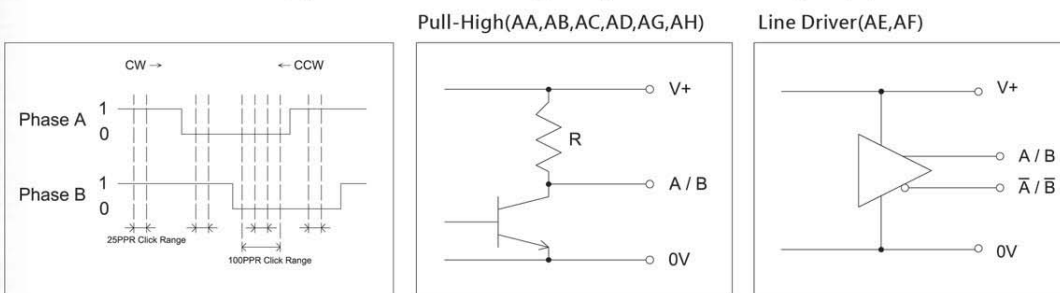
iHDW-AX Specification

Type	AA , AB	AC , AD	AG , AH	AE , AF
Power Source Current : Standard	DC 5V±10% 100mA max	DC 12V±10% 100mA max	DC 24V±10% 100mA max.	DC 5V±10% 150mA max.(90mA typ.)
Output Type	330Ω Pull-High	2.0KΩ Pull-High		Line Driver
Output Voltage (Pull-High)	High Level : Voltage -0.5V min. Low Level : 0.4V max. (Unloaded)			Terminal Resistor at receiving end 100Ω
Pulse	100 Pulse / 100 PPR or 25 Pulse / 100 PPR			
Response	5KHz			
Rotating Torque	250 ~ 450 gf•cm			
Rotating Life	1,000,000 min.			
Operating Temperature	0°C / + 50°C			
Storage Temperature	-10°C / +60°C (w/o condensation)			
Shock	0.5G - Vibration , 2G - Shock			
Weight	150g (AX-60) , 250g (AX-80)			

iHDW-AX Waveform

Clockwise, phase A is rising as phase B is low (0).

Counter-clockwise, phase A is rising as phase B is high (1).



iHDW-AX External Dimensions & Cutout (mm)

