

# MID-SIZE MANUAL PULSE GENERATOR

## CHDW-AX Series

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



## Features

- Power supply system DC 5V , DC 12V or DC 24V
- 25PPR or 100PPR available
- Standard line driver output for long-distance transmission
- Provide various (Ø100mm or Ø124mm) handle wheels for option
- Foldable grip for option
- Easy to install
- Oil & waterproof design
- OEM Welcome



**FUTURE LIFE TECHNOLOGY CO., LTD.**

13Fl, No. 963, Jong-Jeng Rd., Jong-Ho Dist., New Taipei City, Taiwan 23544

TEL : 886 + 2-8227-5339 FAX : 886 + 2-8227-5572 Email : amaker@ms24.hinet.net



MID-SIZE MANUAL PULSE GENERATOR

## Ordering Information

CHDW	A	A	124	F																																																			
SERIES NAME	MODEL	TYPE	DIAMETER	FOLDABLE GRIP																																																			
CHDW	A	<table border="1"> <thead> <tr> <th rowspan="2">Model</th> <th colspan="3">Specification</th> </tr> <tr> <th>Power</th> <th>Pulse</th> <th>Output</th> </tr> </thead> <tbody> <tr><td>A</td><td>5V</td><td>100PPR</td><td>R330</td></tr> <tr><td>B</td><td>5V</td><td>25PPR</td><td>R330</td></tr> <tr><td>C</td><td>12V</td><td>100PPR</td><td>R2.0K</td></tr> <tr><td>D</td><td>12V</td><td>25PPR</td><td>R2.0K</td></tr> <tr><td>E</td><td>5V</td><td>100PPR</td><td>DIFF</td></tr> <tr><td>F</td><td>5V</td><td>25PPR</td><td>DIFF</td></tr> <tr><td>G</td><td>24V</td><td>100PPR</td><td>R2.0K</td></tr> <tr><td>H</td><td>24V</td><td>25PPR</td><td>R2.0K</td></tr> </tbody> </table>	Model	Specification			Power	Pulse	Output	A	5V	100PPR	R330	B	5V	25PPR	R330	C	12V	100PPR	R2.0K	D	12V	25PPR	R2.0K	E	5V	100PPR	DIFF	F	5V	25PPR	DIFF	G	24V	100PPR	R2.0K	H	24V	25PPR	R2.0K	<table border="1"> <thead> <tr> <th colspan="2">Handwheel Diameter</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>Ø100mm</td> </tr> <tr> <td>124</td> <td>Ø124mm</td> </tr> </tbody> </table>	Handwheel Diameter		100	Ø100mm	124	Ø124mm	<table border="1"> <thead> <tr> <th colspan="2">FOLDABLE GRIP</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Foldable Grip</td> </tr> <tr> <td>N</td> <td>None</td> </tr> </tbody> </table>	FOLDABLE GRIP		F	Foldable Grip	N	None
Model	Specification																																																						
	Power	Pulse	Output																																																				
A	5V	100PPR	R330																																																				
B	5V	25PPR	R330																																																				
C	12V	100PPR	R2.0K																																																				
D	12V	25PPR	R2.0K																																																				
E	5V	100PPR	DIFF																																																				
F	5V	25PPR	DIFF																																																				
G	24V	100PPR	R2.0K																																																				
H	24V	25PPR	R2.0K																																																				
Handwheel Diameter																																																							
100	Ø100mm																																																						
124	Ø124mm																																																						
FOLDABLE GRIP																																																							
F	Foldable Grip																																																						
N	None																																																						

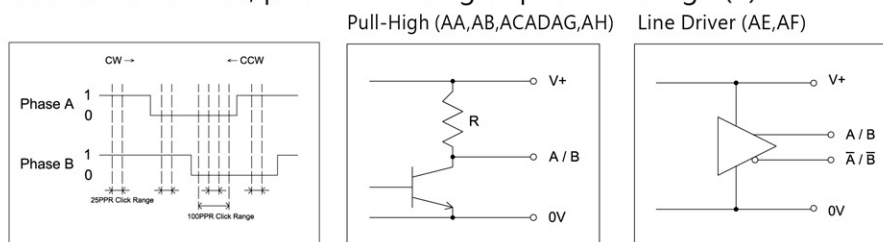
## Specification

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	2KΩ Pull-High		Line Driver Terminal Resistor at receiving end 100Ω
Output Voltage (Pull-High)	High Level : Voltage -0.5V min. Low Level : 0.4V max. (Unloaded)			
Pulse	100 Pulse / 100 PPR or 25 Pulse / 100 PPR			
Response	5KHz			
Rotating Torque	500 ~ 800 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	860g (AX-100) , 1kg (AX-124)			

## Waveform

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

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



## External Dimensions & Cutout (mm)

