

Frequency 1HZ-150KHZ Adjustable

Encoder Potentiometer



PWM FREQUENCY METER
XY-KPWM



ON/OFF

Duty Cycle 0-100 Adjustable

ON/OFF

SIZE



FUNCTION DESCRIPTION

Encoder potentiometer

Default adjust duty cycle

Short press to adjust frequency

Keep 2 second to save parameters

Keep 5 second to lock parameters

Keep 10 second to switch Normal/Precise mode

Frequency 1Hz~150KHz adjustable



Duty cycle 0~100% adjustable

Output Enable

Short press: Turn ON or OFF output

Long press: Set the power on state

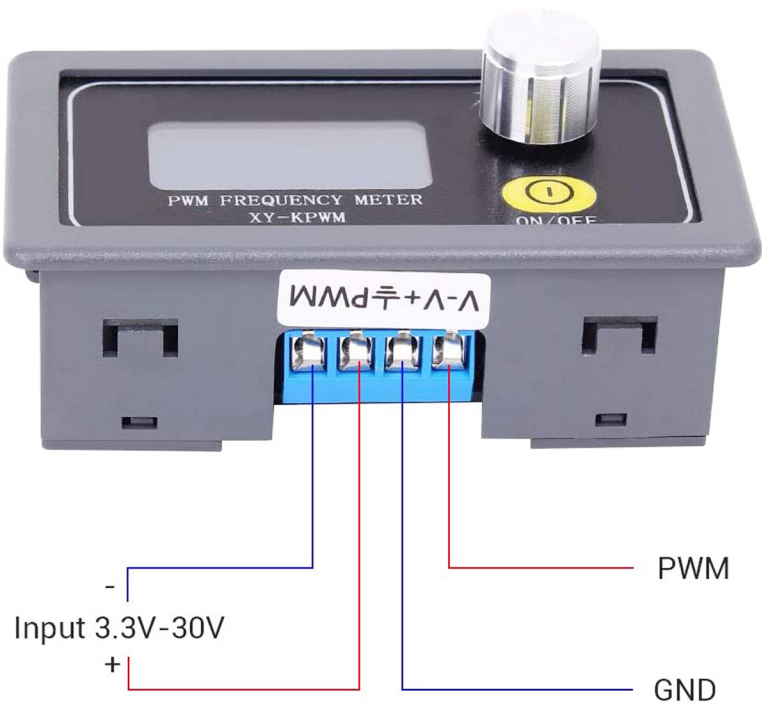
-OFF: PWM output is disabled by default

-ON: PWM output is enabled by default

UART communication and parameter settings

No.	Parameter	Value
1	Baud rate	9600bps
2	Data bits	8bit
3	Stop bit	1bit
4	Check bit	none
5	Flow control	none
No.	UART Command	Function
1	READ	Read Set Parameters
2	ON	Enabled PWM Output
3	OFF	Disabled PWM Output
4	DNxxx	Set the Lower Limit Value for Duty Cycle:
		DNxxx:Used for Normal mode."xxx"can be 000~100
		DNxx.x:Used for Precise mode."xx.x"can be 0.00~100
5	UPxxx	Set the Upper Limit Value for Duty Cycle:
		UPxxx:Used for Normal mode."xxx"can be 000~100
		UPxx.x:Used for Precise mode."xx.x"can be 0.00~100
6	MODEx	Set work mode:
		MODE0:Normal mode
		MODE1:Precise mode
		"x" can be 0 or 1
7	Fxxx	Set frequency:
		"F101":Set frequency 101Hz."101"can by replace by 001~999
		"F1.05":Set frequency 1.05KHz."1.05"can by replace by 1.00~9.99
		"F10.5":Set frequency 10.5KHz."10.5"can by replace by 10.0~99.9
8	Dxxx	"F1.0.5":Set frequency 105KHz."1.0.5"can by replace by 1.0.0~1.5.0
		Set duty cycle:Set duty cycle is XXX.
		Normal mode:"xxx"can be 000-100. E.g."D051" means PWN duty cycle is 51%
9	Return	Precise mode:"xx.x"can be 00.0-100. E.g."D20.8" means PWN duty cycle is 20.8%
		Set successfully Return:DOWN
		Set failed Return:FALL

WIRING DIAGRAM





12V

5V