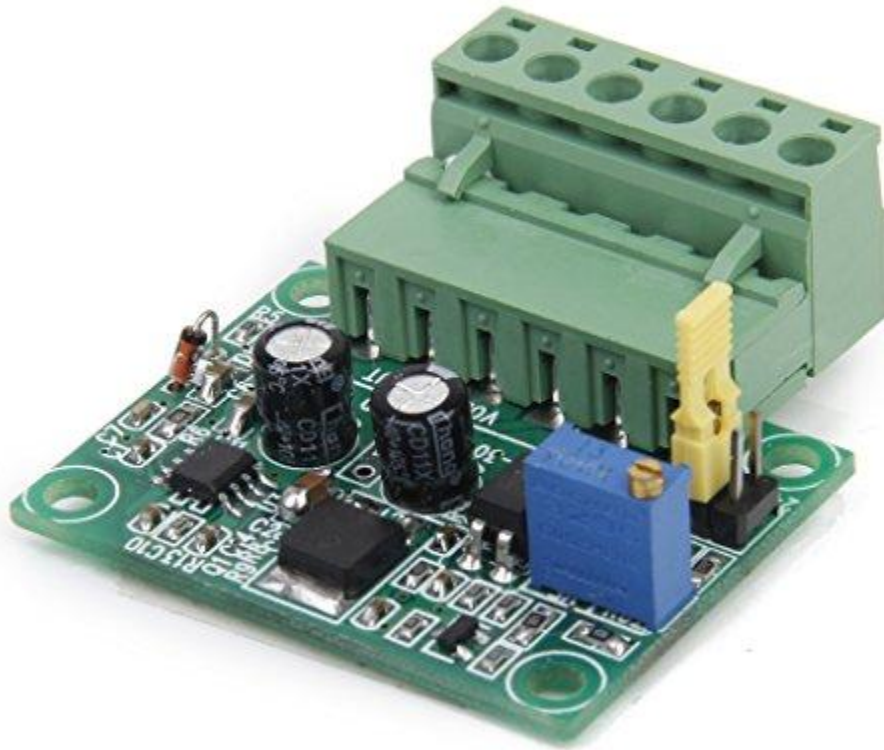


# 0-10V PWM Digital to Analog Signal Transformer Converter Module MACH3 or PLC



## Features

Convert PWM digital signals into 0V to 10V analog signals.

## Description

Power Input Range: 12V-30V (Power requirements: more than 100mA)

Signal interface switch can be used for PLC or other industrial control board.

PWM Reception frequency range: 1 KHZ - 3 KHZ.

Current output capacity: 10mA.

Resolution: 0.1V.

Usage: by adjusting the potentiometer on the board, we can match the calibration of PWM signals of different frequency pulses.

### PWM signal input level range:

When the jumper is inserted at 5V, the peak to peak level is 4.5V to 10V. This type of signal is mainly for conventional industrial control card such as MACH3 board, for 5V from the CPU interface.

When the jumper is inserted at 24V, the peak to peak level is 12 to 24V. This type of signal is mainly used for conventional PLC interface.

### Note:

When the signal input port is not connected, the output port gives 10V.

The first time we power on this module, we should calibrate it as follows: to find a 50% duty ratio signal, connect to DIN-, DIN+ (the amplitude matches corresponding jumper).

When pulse frequency is at 1kHz ~ 3kHz, use a multi-meter to check voltage at AO and GND pins. The meter should be showing around 5V.

We adjust the potentiometer on the converter module to make multi-meter show 5V exactly.

After this is done, we will have successfully calibrated and matched the pulse signal with this converter module.

The module has a resolution of 0.1V and an output current capacity of 10mA.

If duty ratio as opposed to voltage is desired, we can select or deselect PWM output pin STEP LOW / ACTIVE in MACH3 software.

### Package Includes:

1 x PWM signal to Voltage Converter Module

### Attributes

<b>ASIN</b> B00UIZKYAS	<b>Manufacturer</b> Generic
<b>Brand</b> Generic	<b>Publisher</b> Generic
<b>Part Number</b> STK0114010678	<b>Studio</b> Generic
<b>Binding</b> Electronics	<b>Product Group</b> CE
<b>UPC</b> 796201012477	<b>Product Type Name</b> CE_ACCESSORY
<b>MPN</b> STK0114010678	<b>Label</b> Generic
<b>EAN</b> 0796201012477	<b>Package Quantity</b> 1