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Aideepen 600P/R Rotary Encoder, AB 2 Phase Incremental Rotary Encoder 6mm Shaft 5V-24V Wide Voltage

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\$18⁵⁹

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Brand Aideepen
Color 600P/R Rotary Encoder
Human Interface Input Buttons

About this item

- **【High quality】** Aideepen Incremental rotary encoders 600 p/r (Single-phase 600 pulses /R,Two phase 4 frequency doubling to 2400 pulses). AB 2phase output rectangular orthogonal pulse circuit
- Main function: to measure the rotational speed, Angle and acceleration of the object and the length measurement
- Connection: Green = A phase, white = B phase, red = Vcc power +, black = V0. Note: AB two -phase outputs must not be connected directly to VCC, otherwise, they will burn the output transistor
- Parameters: power source: DC 5-24V; encoder size: 38*35.5mm/1.49*1.39"; Shaft: about 6*13mm/0.23*0.51"; maximum mechanical speed: 5000 R / min
- Widely applications: Suitable for intelligent control of various displacement measurement, automatic fixed-length leather automatic guillotine machines, steel cut length control, civil measured height human scale and students racing robots so on

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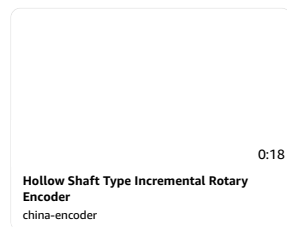
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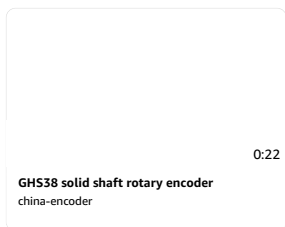
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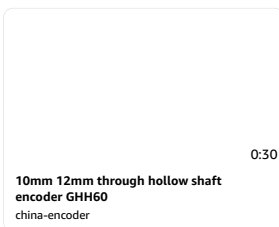
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Product information

Technical Details

^ Other Technical Details

Brand	Aideepen
Item Weight	4.8 ounces
Package Dimensions	4.09 x 3.11 x 2.4 inches
Color	600P/R Rotary Encoder

^ Collapse all

Additional Information

ASIN	B01MZ4V1XP
Customer Reviews	46 ratings 4.2 out of 5 stars
Best Sellers Rank	#105,695 in Industrial & Scientific (See Top 100 in Industrial & Scientific) #19 in Switch Encoders
Date First Available	December 29, 2016

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Product Description

600P/R Rotary Encoder, Aideepen AB 2 Phase Incremental Rotary Encoder 6mm Shaft 5V-24V Wide Voltage

Aideepen AB 2 Phase Incremental Rotary Encoder 600P/R Rotary Encoder

- 600 p/r (Single-phase 600 pulses /R,Two phase 4 frequency doubling to 2400 pulses)
- Power source: DC5-24V
- Shaft: 6*13mm/0.23*0.51"
- Size: 38*35.5mm/1.49*1.39"
- Output :AB 2phase output rectangular orthogonal pulse circuit, the output for the NPN open collector output type
- Maximum mechanical speed: 5000 R / min
- Response frequency: 0~20KHz
- Cable length: 1.5 meter
- Notice:AB 2phase output must not be directly connected with VCC, otherwise, will burn the output triode, because different batches, and may not have the terminal

Connection: Green = A phase, white = B phase, red = Vcc power +, black = V0

Applications:

- Is used to measure the rotational speed, Angle and acceleration of the object and the length measurement
- Suitable for intelligent control of various displacement measurement, automatic fixed-length leather automatic guillotine machines, steel cut length control, civil measured height human scale, Students racing robots

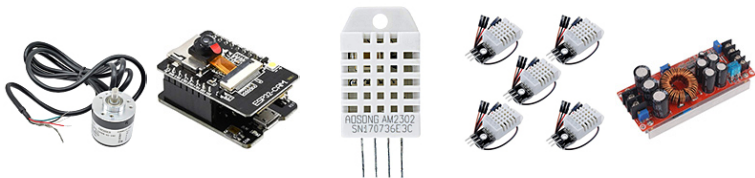
Encoder size :38*35.5mm/1.49*1.39"

Shaft :about 6*13mm/0.23*0.51"

Note: AB two -phase outputs must not be connected directly to Vcc, otherwise, they will burn the output transistor

supply Voltage :	DC 5V~24V
Frequency Range :	0~20 kHz
Max. Rise-Fall Time :	200ns (Line Driver)
Max. Rise-Fall Time :	1us (Other Output Mode)

2 quadrature output channel:	(A&B) Resolution 600 PPR
Maximum mechanical speed :	5000 R / min
Encoder size :	38*35.5mm/1.49*1.39"
Shaft :	about 6*13mm/0.23*0.51"



600P/R Rotary Encoder

ESP32-CAM WiFi Bluetooth Board

DHT22 Temperature Humidity Sensor

DHT22 Temperature Humidity Sensor Module With Cable

1200W 20A DC Converter Boost Car Step-up Power Supply Module

Model	B01MZ4V1XP	B08P2578LV	B01BBFOF0	B07XBRMN4P	B01MSVVMAL
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From the brand

How did we get our start?

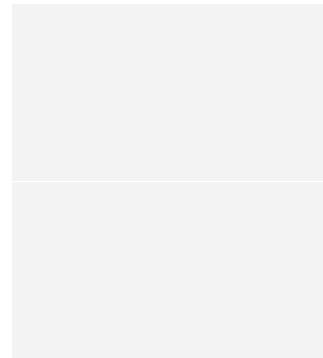
In 2009, an electronic lover began to produce/sell and share various products with two engineers in Shenzhen. Aideepen was established.

What keeps us going?

We have been committed to becoming an expert in this field, constantly developing until build own factory and R&D team, and expanding the team to more than 200 employees.

How do we do, if there's some issue with product?

Each product you purchase from Aideepen have 24 months service. You can get a new replacement if there's any quality issue with your items.



ESP32



Aideepen

Product guides and documents

User Guide (PDF)

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775 DC Motor 12V/24V Gear Motor Double Ball Bearing Large Torque With M10 Saw Balde...

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\$28.49 (\$14.25/Count)



CHANCES CH-3420 Permanent Magnet 24V 7000RPM DC Motor 30W CW/CCW Reversible...

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36mm Aperture Aluminum Alloy Spring Holder for Encoder (Encoder not Included)

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Mini DC Motor B10 Mount

\$29.

Customer reviews

4.2 out of 5

Top reviews

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46 global ratings



How customer reviews and ratings work

Top reviews from the United States

Scott

Works but need better instructions

Reviewed in the United States on September 3, 2021

Verified Purchase

Difficult to program without instructions but when working works well. Here is my code using an lcd on Arduino for a fast running counter. I am sure there are better programmers out there:

```
#include <LiquidCrystal.h>
```

```
const byte encoderPinA = 2;//outputA digital pin2
const byte encoderPinB = 3;//outoutB digital pin3
volatile int count = 0;
int protectedCount = 0;
int previousCount = 0;
```

```
#define readA bitRead(PIND,2)//faster than digitalRead()
#define readB bitRead(PIND,3)//faster than digitalRead()
const int rs = 12, en = 11, d4 = 5, d5 = 4, d6 = 10, d7 = 9;
```

Read more

12 people found this helpful

Helpful

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three cats

Does not have an index - 2 channel work OK.

Reviewed in the United States on June 20, 2021

Verified Purchase

No index pulse.
Noisy chan out.

One person found this helpful

Helpful

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M. Austin

decently sturdy. I'd like to take one star off because ...

Reviewed in the United States on May 3, 2018

Verified Purchase

Worked as expected; decently sturdy. I'd like to take one star off because it's hard to find documentation for this thing online.. The only way I knew what wires went where was because of the comment in the item description.

3 people found this helpful

Helpful

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Amazon Customer

Exactly what I needed and very easy to hook up to an arduino with a trivial ...

Reviewed in the United States on April 14, 2018

Verified Purchase

Exactly what I needed and very easy to hook up to an arduino with a trivial circuit. I was reading rotation in no time and using a standard GT20 pulley it's easy to measure the position of a timing belt drive.

2 people found this helpful

Helpful

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Steve

This is my second purchase because I liked the first one.

Reviewed in the United States on April 30, 2020

Verified Purchase

Showed up a day early. The quality seems high, it has actual bearings and not bushings.

Helpful

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1meanteacher

Only works with VERY Low RPM

Reviewed in the United States on December 9, 2022

Verified Purchase

Almost totally useless. If you have an application where rpm is in single digits, this encoder might provide enough pulses per rev. Otherwise, you get a couple of pulses when rotor stops.

2 people found this helpful

Helpful

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Shane

Stable and accurate encoder

Reviewed in the United States on October 6, 2019

Verified Purchase

Works perfectly in my custom application, encoder output is very stable and accurate

Helpful

Report abuse

Robert S. M. Wulff

rotary encoder

Reviewed in the United States on May 2, 2020

Verified Purchase

stable, cost effective

[Helpful](#)
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Top reviews from other countries

 Amazon Customer

Works great!

Reviewed in Canada 🇨🇦 on November 24, 2022

Verified Purchase

Works great! As described.

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 J.N.

Good product for the price

Reviewed in Canada 🇨🇦 on November 22, 2019

Verified Purchase

I used this encoder with an arduino uno and it worked well. It counts steps very reliably at moderate speeds.

The fit and finish of the product is decent

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