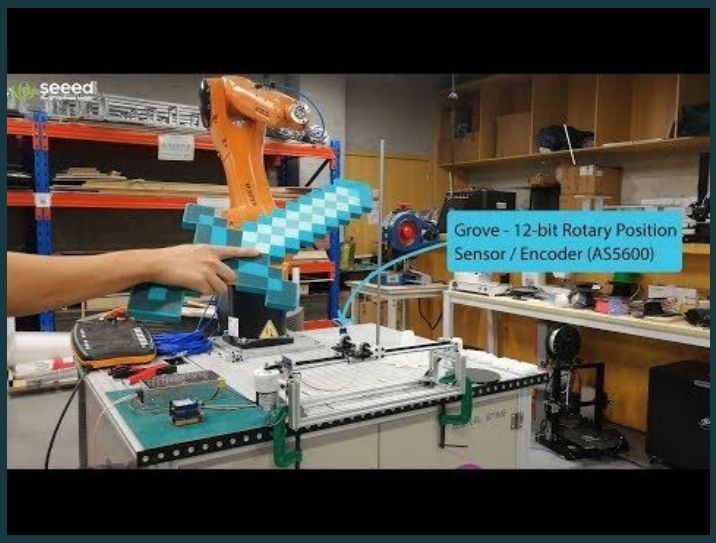
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INDUSTRIAL PRODUCT DATASHEET

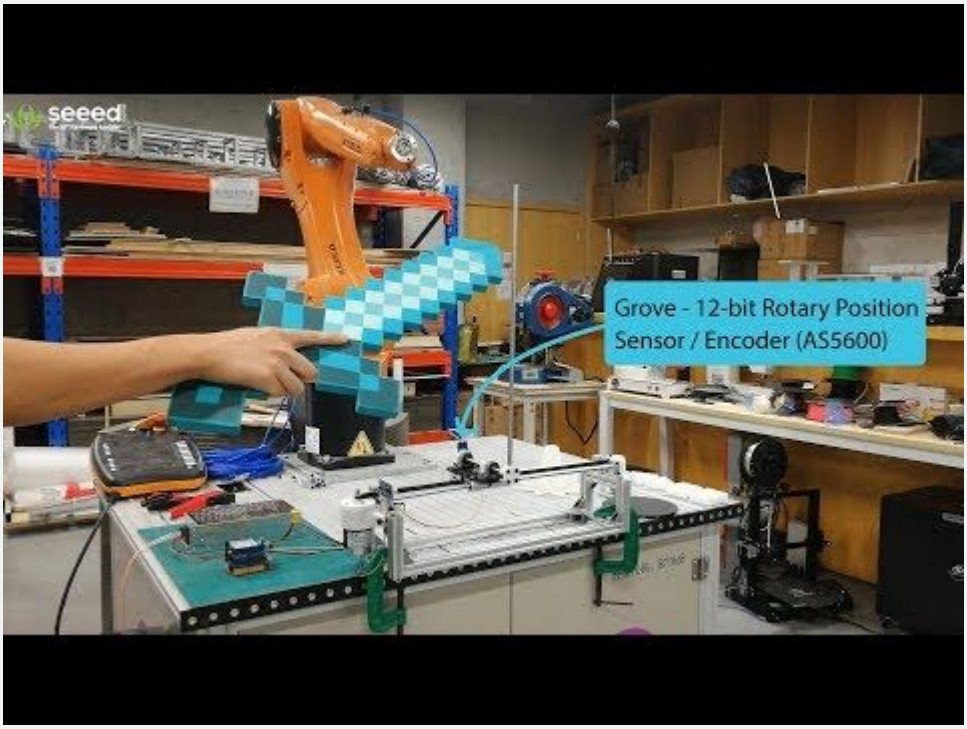
Grove - 12-bit Magnetic Rotary Position Sensor / Encoder (AS5600)

Grove 12-bit Magnetic Rotary Position Sensor / Encoder (AS5600) is a programmable 12-bit high-resolution contactless magnetic rotary position sensor.

SKU	UPDATED	PRICE
101020692	2026-11-11 08:20:29	$6.50(Excl. VAT)



Overview



Grove 12-bit Magnetic Rotary Position Sensor / Encoder (AS5600) is a programmable 12-bit high-resolution contactless magnetic rotary position sensor. Compared with the traditional potentiometer, it has significant advantages: high precision, non-contact, no rotation angle limitation.

Key Features

01 **Non-contact, no rotation angle limitation**

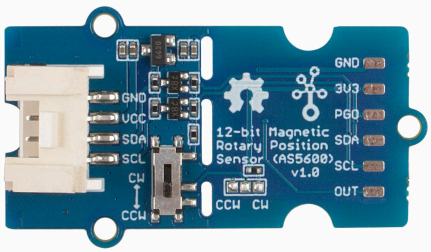
02 **12-bit high-resolution, 4096 positions per round**

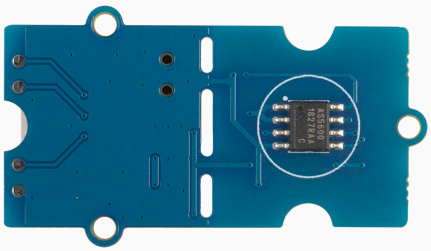
03 **Grove I2C, PWM/Analog Output**

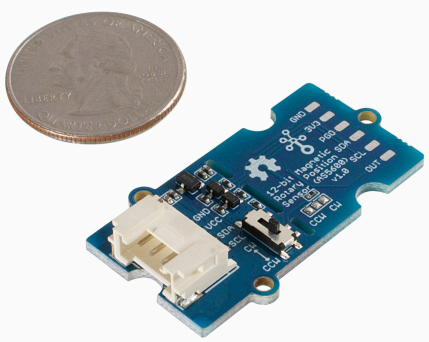
04 **Great flexibility on angular excursion**

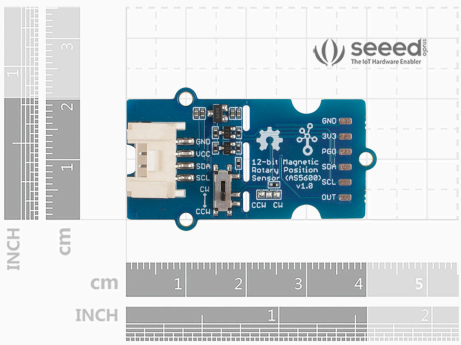
Maximum angle programmable from 18° up to 360°

Product Gallery









Applications

- **Motor closed-loop control**
- **Robot arm**
- **Tripod head**
- **Industrial machine control**

Resource Links

- https://www.seeedstudio.com/Grove-12-bit-Magnetic-Rotary-Position-Sensor-AS5600-p-4192.html
- Github Library
- Grove - 12-bit Magnetic Rotary Position Sensor (AS5600) schematic diagram.zip
- Magnetic Rotary Position Sensor AS5600 Datasheet.pdf

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