

DIY rotary encoder



mbasov

[VIEW IN BROWSER](#)

updated 24. 4. 2023 | published 24. 4. 2023

Summary

This is quadrature rotary encoder which allow measure speed (rotation) and direction.

[Hobby & Makers](#) > [Electronics](#)

Tags: [measure](#) [encoder](#) [thingiverse](#) [rotaryencoder](#)
[measurementtool](#)

This is quadrature rotary encoder which allow measure speed (rotation) and direction.

Used parts:

- 2x Optical sensors [like this](#)
- 2x 636ZZ bearings
- 3x still smooth rods 2 mm diameter and 20mm length (part of nail)
- 1x M6x70 bolt [DIN933]
- 3x M6 nuts [DIN934]
- 3x 4.2x16 screw [DIN968] to mount

Many plastics transparent for IR. I solve this problem by aluminum foil with glue (on photo middle part of process).

Category: Electronics

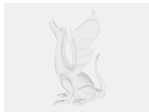
Model files



encoder_v5-top.stl



encoder_v5-bottom.stl



encoder_v5.step



encoder_v5-spacer.stl



encoder_v5-encoderwill.stl



encoder_v5.fcstd

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

License ©

This work is licensed under a
GNU

General Public License v2.0



- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Meets Open Definition

i | Share under the same license