



## Case for Energy Meter Optical Interface Reader

 **Bigby**

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### Summary

Improved case for the optical read/write head for energy meters (smart meters) created by the "Volkszaehler" project.

[Household](#) > [Other House Equipment](#)

Tags: [energy](#) [sensor](#) [smartmeter](#) [volkszaehler](#)

This is an improved case for the optical read/write head for energy meters (smart meters) developed by the "[Volkszähler](#)" project in Germany.

In addition to the printed parts you'll need:

- a ring shaped neodymium magnet, outer diameter 27mm, inner 16mm, 5mm strong
- a PCB as published on the "[Volkszähler](#)" project page
- a length of signal wire with 4 strands and and outer diameter of 4mm
- a small zip-tie

I created this design from scratch because the [existing one](#) didn't work for me at all, unfortunately.

# Model files



vz\_case1.stl



vz\_lid1.stl



vz\_washer1.stl

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

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