



Magnetic Frame for Rectangular Hygrometer



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Summary

My take on a magnetic frame for a rectangular hygrometer



1.00 hrs



1 pcs



0.20 mm



0.40 mm



PLA



8 g



Sovol SV06

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I'm still new to 3D printing and CAD, so I wanted to take a stab at my own frame for a drybox that I am making. This is a little over-engineered compared to other designs that I have seen.

I had some 4mm X 1.5mm magnets handy, so that is what I used. The fit was tight; I used a rubber mallet to press them into the holes. There is a little bit of play on the sides of the hygrometer.

I made the [CAD drawing in OnShape](#) and the outer dimensions of the hygrometer, the hygrometer mounting tabs, and the magnet dimensions are all variables in my drawing. If I have done everything correctly, the document should be public and you can make a copy to modify it to your own needs.

Model files



hygrometeter-outerframe.stl



hygrometer-innerframe.stl

Print files



hygrometer-magneticframe.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 1.00 hrs ⚖️ 8 g

☐ Print with both faces down and magnet holes up.

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