



XIAOMI Mijia Bracket for Prusa Enclosure



vinzcenzo

[VIEW IN BROWSER](#)

updated 18. 10. 2023 | published 18. 10. 2023

Summary

Bracket for mounting Xiaomi Mijia (LYWSD03MMC) Temperature and Humidity sensors on a Prusa Enclosure.



0.47 hrs



1 pcs



0.20 mm



0.40 mm



PET



11 g



Prusa MK4

[3D Printers](#) > [Prusa Parts & Upgrades](#)

Tags: [prusa](#) [mount](#) [enclosure](#) [xiaomi](#) [thermometer](#)
[mountingbracket](#) [xiaomimijia](#) [thermometerholder](#)
[thermometermount](#) [enclosuremodification](#)

Enhance your Prusa Enclosure with a custom-designed 3D printable mount for the Xiaomi Mijia (LYWSD03MMC) temperature and humidity sensor. This practical modification allows you to easily monitor environmental conditions with the connected Mijia sensor.

Key Features

1. **Seamless Xiaomi Mijia Integration:** the model seamlessly accommodates the Xiaomi Mijia (LYWSD03MMC) sensor, providing temperature and humidity readings for your 3D printing environment.
2. **Easy Sensor Access:** included a top-notch design feature—a dedicated sensor slot at the top of the mount—ensuring that your sensor is unobstructed for accurate measurements.
3. **Convenient Sensor Removal:** Two lateral notches have been added to the design, allowing you to effortlessly remove the sensor without the need to disassemble the entire mounting structure.

While I await the arrival of my Prusa Enclosure, I've thoroughly tested the Xiaomi Mijia sensor's fit within the mount. You can rest assured that your Xiaomi Mijia sensor will fit snugly in place.

My Print Settings

- **Printer settings :**
 - **Printer Model :** MK4 with InputShaper
 - **Nozzle Type :** 0.4mm Obxidian (Nextruder)
- **Print Settings :**
 - **Layer :** 0.20mm SPEED (MK4 InputShaper)
 - **Perimeters :** 3
- **Filament:**
 - **Type :** Prusament PETG Galaxy Black filament.
 - 1st Layer : Nozzle 240°C / Bed 85°C
 - Other Layer : Nozzle 250°C / Bed 90°C

How to Use

- Print the mount using the recommended settings mentioned above.
- Insert your Xiaomi Mijia (LYWSD03MMC) sensor into the dedicated slot at the top of the mount.
- Secure the mount in your Prusa Enclosure, making sure to align it for optimal sensor readings.
- If needed, utilize the lateral notches for easy sensor removal or adjustment.

Share Your Feedback

Your feedback is valuable! If you encounter any issues, have suggestions for improvement, or want to share your successful installation, please leave a comment, share a photo, or reach out to me.

Additionally, if you'd like the Fusion 360 source file for this model, please don't hesitate to ask, and I'll be happy to provide it.

Updates

- **2023-10-18** : Added a photo of my 3D make to confirm its fit with the Prusa Enclosure ;-)

This remix is based on



Original Prusa Enclosure 3D-model assembly

by Lars

Model files



prusaenclosure_tempmijia.stl

Print files



prusaenclosure_tempmijia_04n_02mm_petg_mk4is_28m.gcode

PET 0.40 mm 0.20 mm 0.47 hrs 11 g Prusa MK4

License

This work is licensed under a
GNU



General Public License v3.0

✗ | Sharing without ATTRIBUTION

- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Meets Open Definition
- i** | Share under the same license