



LYWSD03MMC MiThermometer Holder



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Summary

This is a simple holder for the MiThermometer to make changing the battery easier

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Tags: [xiaomi](#) [atc](#) [lywsd03mmc](#) [mithermometer](#)

This is a simple holder for the LYWSD03MMC MiThermometer, which is often referred to ATC MiThermometer due to the open source firmware, that is available for it.

The greatest feature with this tiny devices is, that you can get an open source firmware that “speaks” BThome, which is an open protocol using Bluetooth Low Energy advertisements to broadcast the data and many smart home systems (e.g. Home Assistant) can simply grab this from air, if they have bluetooth HW or a proxy in the network.

[ATC MiThermometer on GitHub](#)

There is also a nice article about this device on [hackaday.com](#).

The tricky part with this thermometer is the mounting. You simply stick it to e.g., a wall and this works totally fine, until you want to replace the

battery after approx one year. Then you need to somehow get it unmounted, often leading to one or two broken snaps.

This is, why I designed a very simple enclosure, where the ATC MiThermometer just slides in. It is even so tight, that you can mount it heads down.

If you print it vertical (see photo attached), the 3 cm bridge should be no problem for your printer with good settings.

Model files

atc-holder.fcstd



atc-holder.stl

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