



Airorh/Luftdaten Finstaub sensor Tube filter for fine particle sensor SDS011



Chevдор

VIEW IN BROWSER

updated 7. 1. 2024 | published 7. 1. 2024

Summary

A very small filter adapter for your Airorh / Luftdaten sensor.



0.21 hrs



1 pcs



0.20 mm



0.40 mm



PET



1 g



Prusa
MK3/S/S+

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In Mai 2022, my Luftdaten.info (<https://luftdaten.info/>) sensor apparently died.

It can be quite a task to order a new SDS011 sensor from China. Plenty of good resolutions for 2024, I decided to look into the problem and realised some wasps decided to build a little nest in my sensor and totally sealed the intake and exhaust for the air !

In the end, I did not have to have to replace my sensor, but this time, I added filters on both intake and exhaust.

This model works for the a flexible tube of $\sim 8.60\text{mm}$ (outer diameter) and a metal filter like [this one](#). To cut the filter and avoid ruining your scissors, better use something like this [sheet cutter](#).

You only need to cut a stripe of [metal mesh](#), slide it into the model and plug it in.

I printed in PETG but PLA will work just fine.

Model files



luftdatenfilter-v7.stl

Print files



airorh_02mm_petg_mk3s_12m.gcode

PET 0.40 mm 0.20 mm 0.21 hrs 1 g Prusa MK3/S/S+

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