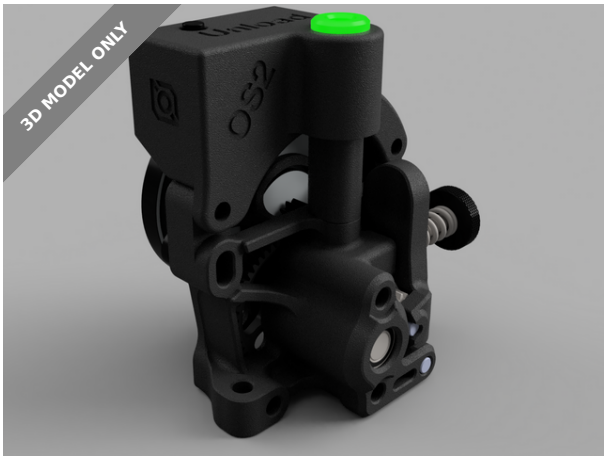

Filament Sensor for Sherpa mini

Siggie Pop

VIEW IN BROWSER

updated 25. 1. 2023 | published 25. 1. 2023

Summary

Adaption of the Orbiter filament sensor to work with the sherpa mini

3D Printers > 3D Printers - Upgrades

I wanted to have a lightweight filament Sensor for my Aftersherpa. Since I couldn't find anything I adapted the excellent Orbiter filament sensor (https://orbiterprojects.com/orbiter-filament-sensor/). I have it running on my Prusa clone and it seems to work nicely. That printer doesn't get a whole lot of hours in though and I'm grateful for any feedback.

I had to move the groove for the PCB back by 0.2mm because the filament path was too constrained. Otherwise the sensor part remained unchanged.

To make it work you need a Orbiter filament sensor kit (https://www.aliexpress.com/item/1005004284790893.html), a couple of heat set inserts and screws and a 28mm piece of PTFE tube.

Please read the documentation of the Orbiter filament sensor for assembly instructions. You'll have to swap the extruder body with the additional heat set inserts. Put the PTFE tube in the filament path of the body and slide it in from the top. Then you can screw it into the body.

This remix is based on

Orbiter Filament Sensor – ORBITER PROJECTS

Model files

rear_housing_sherpa_mini_for-filament-sensor.stl

filament_sensor_housing_sherpa_mini.stl

filament-sensor-for-sherpa-mini.step

License