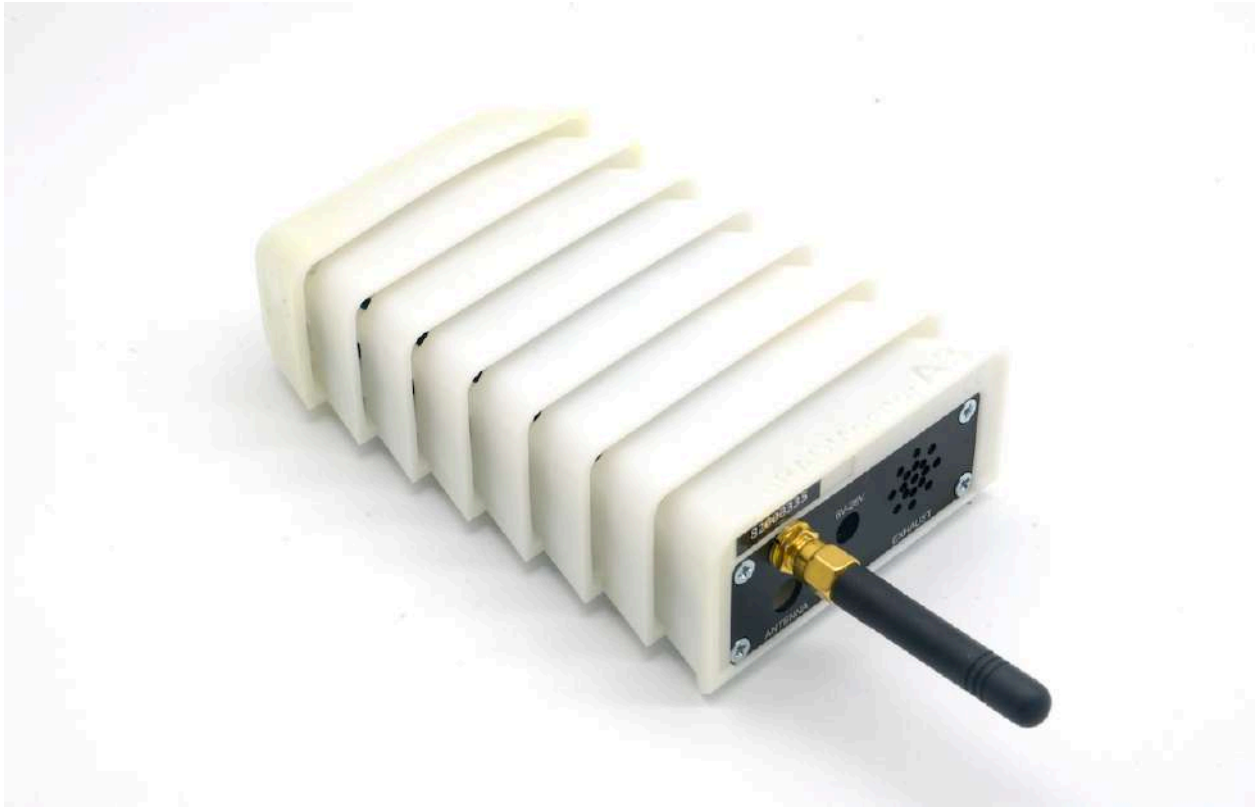


A high quality housing for the uRADMonitor MODEL A3, for outdoor use



Features

- Stevenson radiation shield air vents
- Protects the sensitive sensor electronics
- Made of high quality, UV resistant ASA Plastic
- Metal bottom lid exposing the USB port for power, data access, the DC Power jack and the antenna
- Passive air flow due to convection
- Easy access to internal board by removing only 4 screws
- Convenient attachment to walls or poles.

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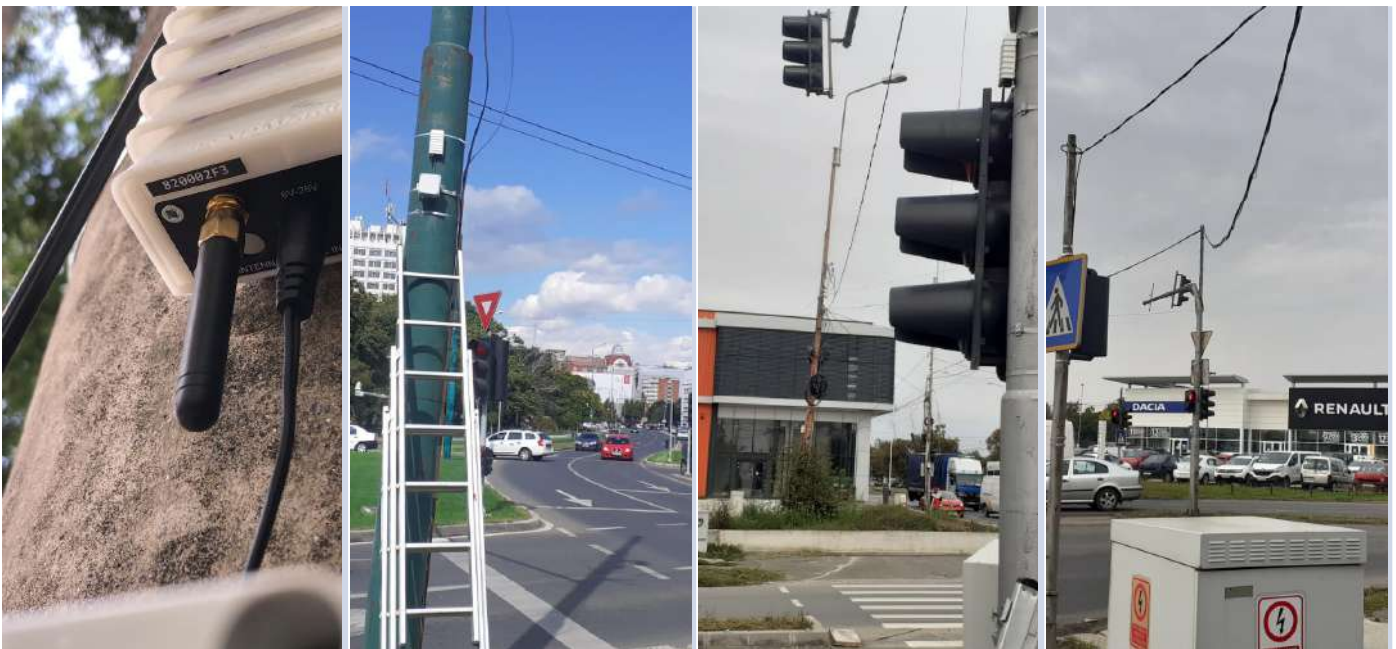
Stevenson Shield

For the uRADMonitor MODEL A3

Description

This is a high quality housing for the uRADMonitor MODEL A3 multi parameter sensor, that allows easy outdoor use. The special design protects the sensitive electronics, while exposing the internal sensors to the ambient air, for the best measurements. Thanks to its specific design, the airflow moves freely, releasing any internal temperature buildup that could negatively affect the accuracy of measurements.

By default the uRADMonitor A3 comes with an aluminum housing for the interior that needs additional protection from rain or snow. With this special Stevenson housing that is purchased separately, you will protect your precious sensor when using it outdoors. Stevenson housings can be attached with plastic straps or metal collars.



Default enclosure vs Stevenson Shield . What's best for your Model A3?

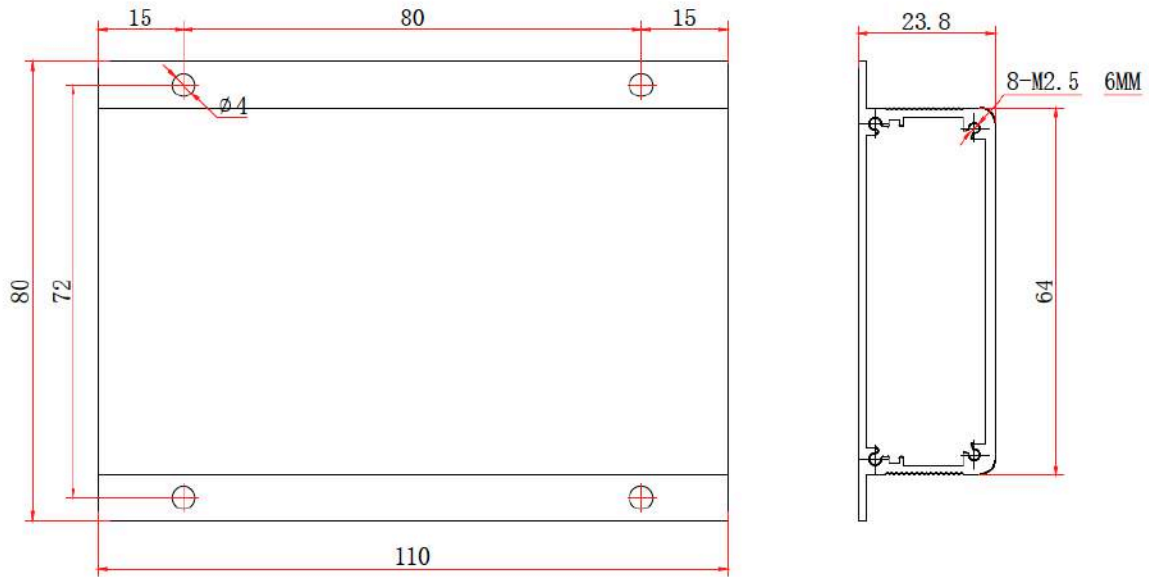
By default, uRADMonitor A3 comes with an aluminum housing for the interior that needs additional protection from rain, snow or sun if you plan to use it outdoors. Such protection can take many forms: you can use an existing cover and install the sensor under it, for eg. under a balcony or a terrace . You can use a plastic box with ventilation holes and install the A3 at the interior, to get cover from the elements. However all these DIY approaches will affect the readings: if the ventilation holes are too small, the flux of air will decrease and the sensor will register smaller values on most parameters. If there is heat build up , the temperature and humidity sensors will be affected.

In case you plan to use your MODEL A3 outdoors, consider purchasing an additional Stevenson Shield. If purchased together, we will install your sensor in the special outdoor enclosure, and your unit will come ready to use. You also save on shipping costs, by purchasing them together.

If you purchase the Stevenson Shield separately, this guide will help you move the electronics from the default metallic enclosure to the new outdoor shield enclosure.

Stevenson Shield

For the uRADMonitor MODEL A3



Aluminium enclosure sizes and holes positions



A3 in Default enclosure vs Stevenson Shield

Stevenson Shield

For the uRADMonitor MODEL A3

Simple guide on how to move your A3 to the Stevenson Shield enclosure

Step 1: unscrew all 8 screws on the black metal enclosure

Step 2: gently push the PCB out, from the end with the DC Jack . Careful not to press on any of the electronic parts on the side as they will break and you will loose your warranty. The sensor board will start to exit at the other end, with the blue particulate matter sensor first.

Step 3: once you have the board out, be careful not to break any of the connecting wires

Step 4: use the 2.5mm screws included with your new Stevenson Shield to fix the Blue Particulate matter sensor to the motherboard, using the two holes.

Step 5: slide the entire assembly in the Stevenson Shield, using the side rails . Make sure the board is properly aligned before pushing it in . The Blue Particulate Matter sensor goes first.

Step 6: take the front metal lid from the metal enclosure, use it to close the Stevenson Shield, and use the 4 included screws to close it in.

Warranty

uRADMonitor A3 and the Stevenson Shield are covered by a 12 months warranty for any defects in material or workmanship, under normal use. Be careful as breaking the board while moving the unit to a Stevenson shield will void the warranty.