



# MINIMET

## Raingauge Problems

There could be a several reasons why a raingauge appears to stop working, please check the following:

1. Check that the raingauge is level. Near the tipping bucket mechanism inside, there is a level bubble. The mechanism may not tip if the gauge is badly leaning to one side.
2. Check the cable between the logger & raingauge is intact, perhaps it has been nibbled by a rodent. This is quite common, to prevent it place the cable in a protective conduit (or old hosepipe, slit lengthways) and bury just underneath the turf.
3. Remove the top 'egg timer' shaped part of the raingauge, pour some water in and see if it comes out of the black nozzle below - the water comes through in slow drips only, this is normal for accurate measurements (preventing splashes outside the measurement buckets). If no water appears, check for blockages - but take care not to widen the aperture in the black rubber slit.
4. Attach the laptop to the logger and put in Live Display Mode. Manually tip the raingauge mechanisms, say 10 times slowly at about 1 tip per second. 1 tip = 0.2mm, so 10 tips should show 2mm rain on the live display. This will show whether the raingauge signal is getting through to the logger or not.
5. If you have a wind speed sensor on the same logger, swap the raingauge and wind speed plugs around so that the raingauge is connected to the wind speed channel and vice versa (they are both digital sensors). Now go into Live Display Mode again and manually tip the raingauge & spin the anemometer. If you see the anemometer working OK in the raingauge channel then the logger is OK and the raingauge is faulty. If you see the raingauge working OK in the wind speed channel but there is no signal coming from the anemometer in the raingauge channel, then the logger itself is faulty.
6. If all the above options seem OK and working, perhaps the logger did not initiate logging of the raingauge channel after power loss (e.g. change of batteries)? A raingauge channel is a digital input. Please see attached sheet for description of this, and how to prevent it in future.

