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SUPPORTING STRUCTURE F370

FOR RAIN GAUGE MET ONE 370/380

Installation notes

October 2009

General description:

The supporting structure is attended for installation of the Met One 370/380 rain gauge at any kind of ground surface.

The structure consists of three 1 m long steel pins and a three-arm plate. A similarly shaped template guides pins by hammering and helps to stabilize the whole structure.

Installation procedure:

Cover the pin thread with plastic cap before hammering. Put the pin through the U-bolt eye in template. Keep as vertical position of pins as possible. Hammer pins in more turns in stony soil:

Watch the approximate level of upper ends of fins. Screw up one nut with one washer on each pin:

Put the three-arm plate on pins and screw-up upper nuts with washers. In case of need fasten the datalogger assembly to the plate with two M4 screws. Keep roughly horizontal level of the plate:

Put the rain gauge on the plate. Set the plastic distances between the rain gauge legs and the plate. Insert M6 x 45 mm screws through holes.

Screw up nuts with washers and fasten them:

Tight U-bolts by "ground" plate for better stability of the whole assembly:

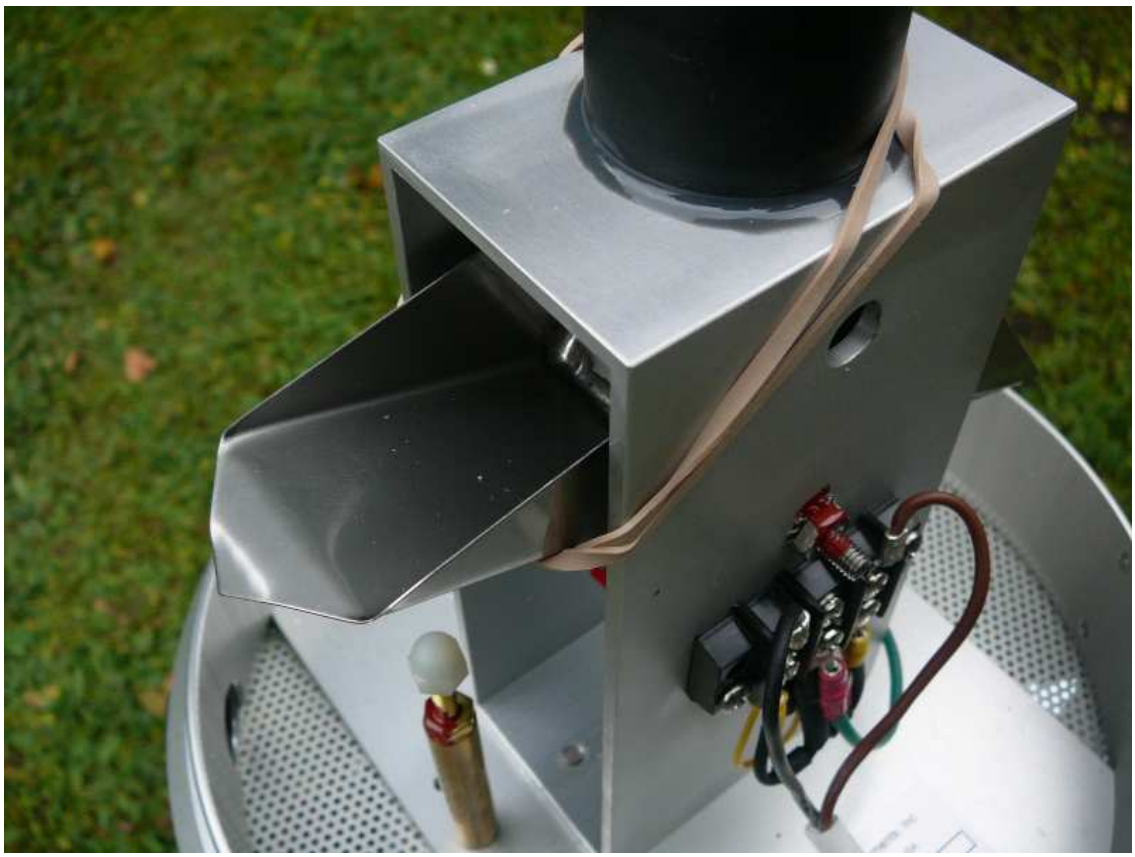
Loose three screws fixing the funnel assembly and remove the funnel:

Watch the bubble on the unit base and level the rain gauge with leveling screws by older type

or by means of both big nuts on each pin (new rain gauge miss a leveling system):

Lace the cable through the outlet and connect wires to terminals:

Remove the protective rubber band from the tipping bucket and try to flip-flap with it:



Set back the funnel assembly and tight all three screws:

Place both stainless screens in the funnel:

The finished installation should look like this (datalogger is optional):