How to Install the Automatic Weather Station
[Modest Series]

Installation of Mounting Stand

**Installation of Mounting Stand:** Open the legs of tripod stand & setup as shown below

![Open Legs of Tripod Stand](image1)

Using nails can be fixed into the ground as shown below

![Fixed Nails](image2)
Solar Panel Setup
Take our solar panel & fix the solar panel clamp as shown below

Setup of Enclosure
Turn back the enclosure unscrew the screws used for fixing SS Strips to enclosure & toggle the Position of SS-Strip as shown below
Fixing U-Clamps
Now take U-clamp & insert them to SS-Strips & Solar Panel Clamp as shown below
Fixing of Enclosure & Solar Panel to Tripod Stand

Now fix the enclosure to tripod tower by inserting it to the centre pipe of the Tripod stand as shown below:

Tighten the nuts of the clamp using Keys keeping enclosure face towards North Direction. Now insert the solar panel in the same way & tighten the nuts of the clamp using Keys keeping solar panel face towards South Direction as shown below.
Tighten the nuts using Keys keeping enclosure face towards North Direction & solar panel face towards South Direction as shown below.
Installation of Sensors:
First fix Wind speed & Wind Direction sensor with Z-clamp provided as shown below:

Now Fix this Z-clamp with L-Clamp onto Tripod Stand as shown below:
Now Fix Temperature humidity Sensor below & Rainfall Sensor above L-clamp as shown below
Wind Direction Sensor ARM should be NORTH facing

Now Take Solar Radiation Sensor & Install at the centre pipe of Tripod Stand as shown below.
Now open the front panel of Logger
Wiring Connections:

Open the panel of the logger by pressing the lock button.

Insert the solar panel cable & Sensor Cables from the cable gland provided at the bottom of the Enclosure as shown above.

Connect the connector at the charging PCB (SOLAR is marked on PCB).
Now Connect the Sensor Cables at the connector provided on Mother –Board as shown below

Wiring of Batteries
Connect the red wire to Positive Terminal (Red) & black wire to Negative Terminal (black) of the Battery & place them inside enclosure as shown above.

How to install SIM in Logger End Modem:
Open the Antenna-end side panel of Modem.

Take out the Modem PCB
Take out completely

Turn around the PCB

There is a slot for SIM, insert the SIM carefully & assemble the unit as it was opened.

Wiring Connections of Modem.

Now connect the modem cable & antenna cable as shown below.
Connect other end of modem cable to motherboard as shown below

All the connections are done. Now close the panel & press & hold for 3Sec the ON button to switch on the instrument. To switch OFF the instrument Press & Hold

Blinking of Power LED & display text will confirm that system has been installed successfully