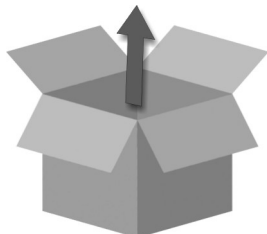


Quick guide to the installation of the HDMCS series compact weather stations

The guide outlines the installation of the **HDMCS100** and **HDMCS200** weather stations. The station starts storing and sending data to "**www.deltaohm.cloud**" Cloud as soon as it is powered.

For a detailed description of the operation of the sensors and data logger, carefully read the corresponding user manuals and the instructions of the HD35AP-S software.

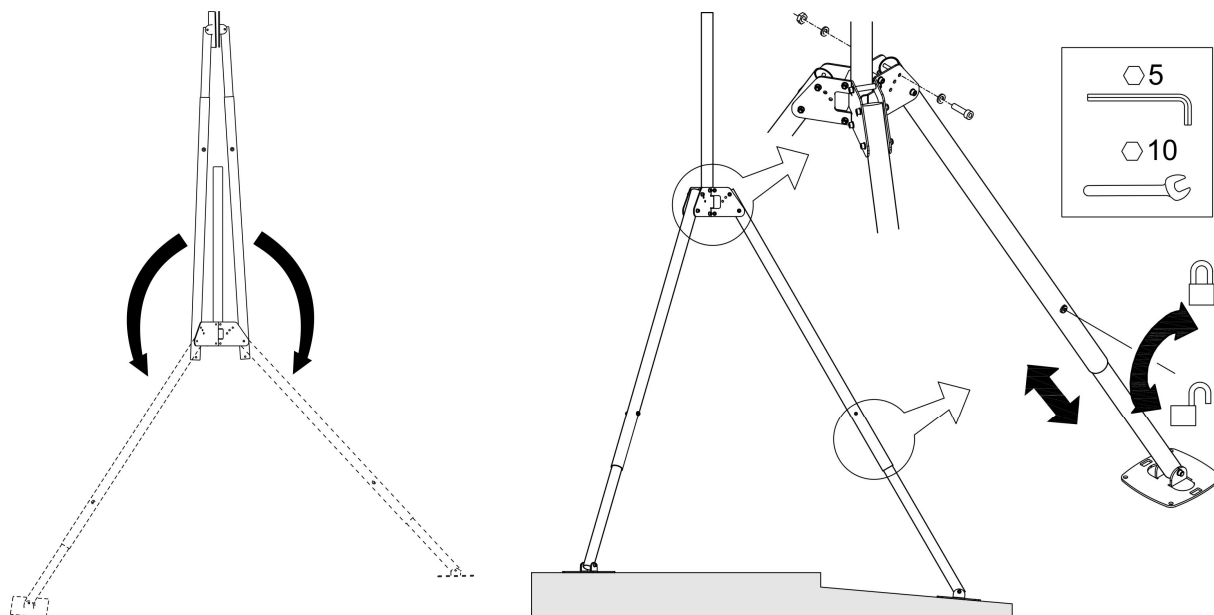
1



Unpacking

Remove the packaging of the various parts of the system (acquisition system, sensors, supports, accessories). Handle all components of the system, in particular the sensors, with due care to avoid damaging.

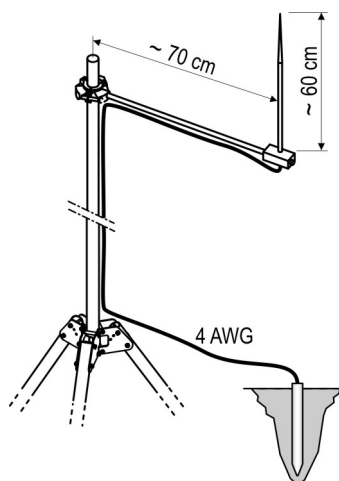
2



Mounting the tripod

- Open the HD2005.20 tripod by turning the three legs.
- Secure the legs to the central block of the tripod. The inclination of the legs can be adjusted using the various holes available.
- Adjust the height of the legs and tighten the locking screw.
- Secure the tripod firmly. The flanges of the tripod can be fixed on a floor with screws or on the ground with pegs.

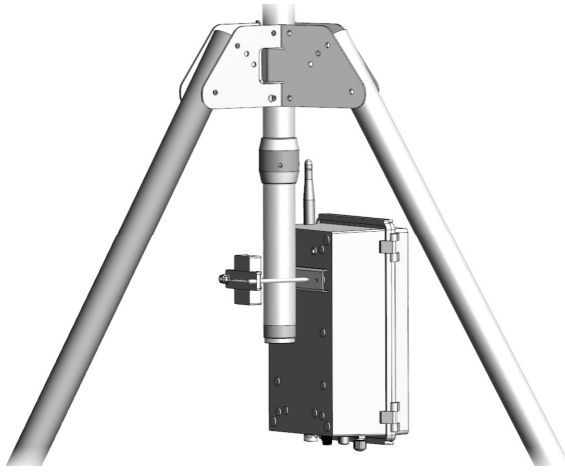
3



Lightning rod installation

- Fix a horizontal mast to the upper part of the tripod central mast (leaving the space to insert the HD52.3D... sensor).
- Fix the lightning rod, with the pointed tip up, to the end of the horizontal mast. The lightning rod must be sufficiently distant (70 cm approx.) from the tripod central mast in order not to interfere with the anemometric measurement.
- Connect the lightning rod to the grounding rod (not supplied) with a 4 AWG cable (not supplied).

4

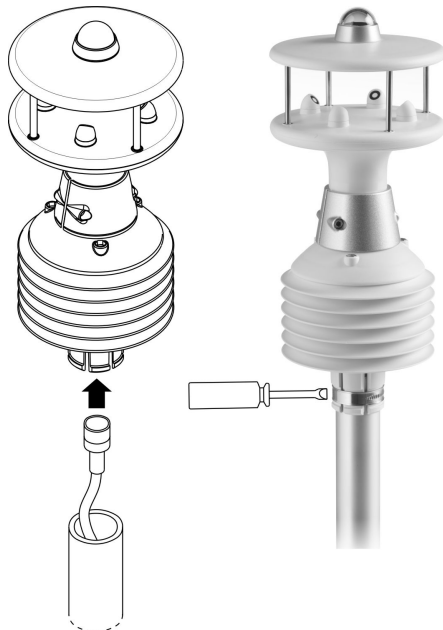


Fixing the data logger

Fix the HD33LMT.GSM data logger to the lower part of the tripod central mast by using the bracket provided on the back of the data logger box.

A SIM card must be inserted in the data logger, as described in the "SIM CARD" section of the data logger user manual.

5



HD52.3D... installation

- Pass the HD52.3DT147 (HDMCS100) or HD52.3DP147 (HDMCS200) connection cable inside the tripod central mast. The cable has 19-pole M23 connector on the sensor side and 8-pole M12 connector on the data logger side.
- Connect the cable to the M23 connector at the bottom of the sensor. Ensure connection stability by tightening the connector external nut.
- Fix the sensor on the top of the mast by tightening the cable tie at the bottom of the sensor housing.
- Connect the other end of the cable to the 8-pole M12 connector at the bottom of the data logger.

Warning: The sensor should be installed vertically and in an open area. The pyranometer should not be obscured or overshadowed. The rain gauge should be exposed to open air and away from items that create turbulences.

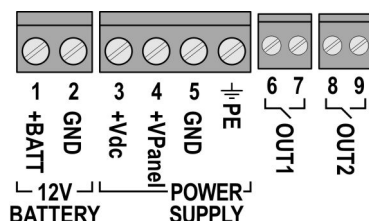
6



Fixing the solar panel

- Secure the solar panel to the tripod by using the supplied support. The panel should face SOUTH if the installation is in the Northern Hemisphere and NORTH if the installation is in the Southern Hemisphere.
- Adjust the inclination of the panel according to the place of installation.
- Pass the panel connection cable through the cable gland at the bottom of the data logger.

7

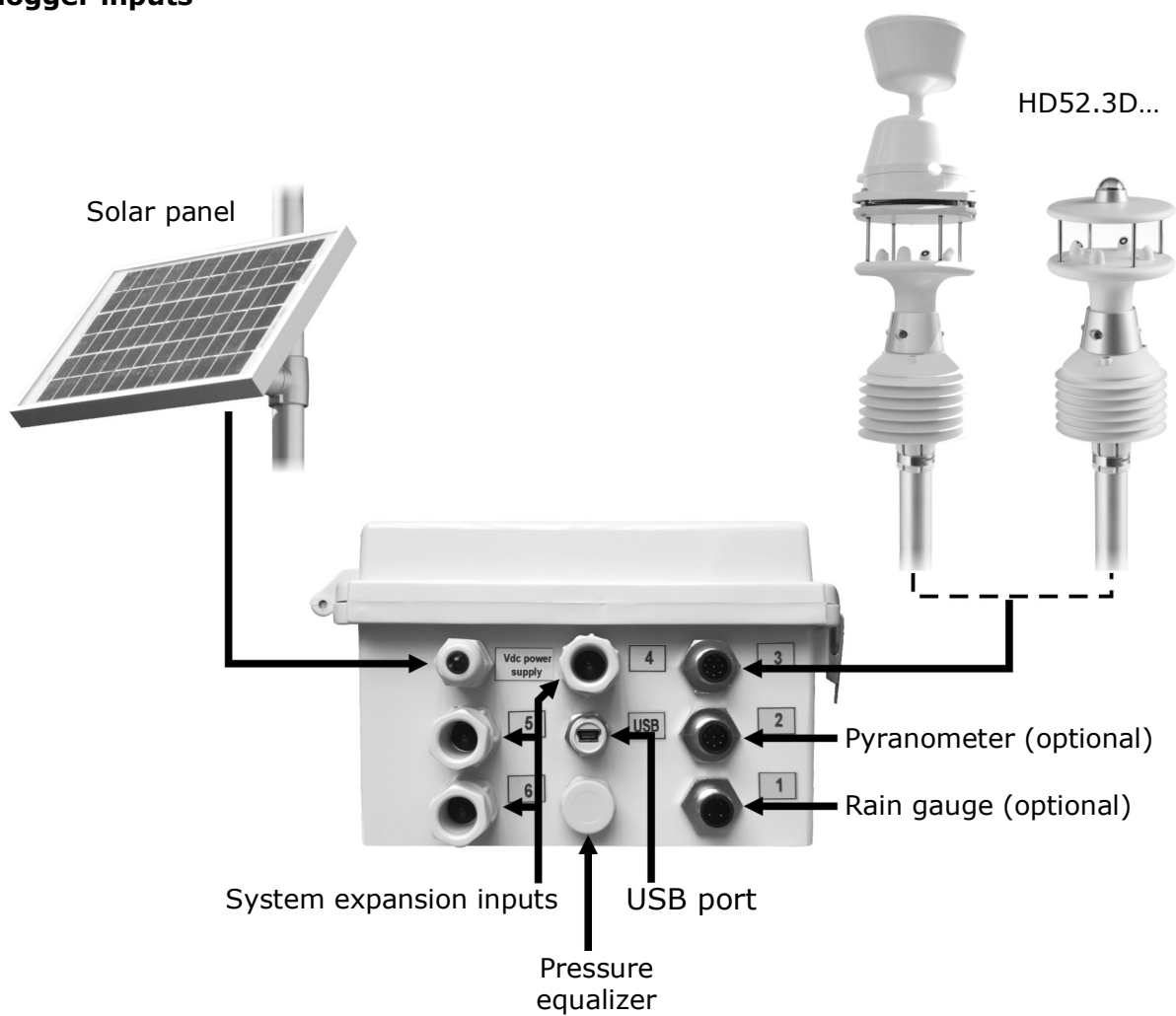


Power supply

- Connect the cables of the data logger internal battery to the +BATT (1) and GND (2) terminals.
- Connect the solar panel to the +Vpanel (4) and GND (5) terminals of the data logger.

Pay attention to the correct polarity of the connection.

Data logger inputs



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