

Cometeo

Professional solar shield

The Multi-plate radiation shield is used to protect weather monitor systems and provides the most accurate climate measurement results. The uniquely designed screen minimizes solar radiation reaching the sensor, minimizes radiation absorbed by the screen, and maximizes ambient airflow around the weather station sensor. The surface exposed to sunlight is made of highly reflective UV and long-term stable ASA plastic. The inner surfaces of the screen are made of matt black plastic to minimize internal reflections. A large 210mm diameter of 14 plates is designed to provide full protection for the measuring sensor.

1.

The Cometeo F8000 features lamellas with a large diameter of 210 mm, providing full protection for measuring devices located within its cylindrical space, which has a diameter of 110 mm.

2.

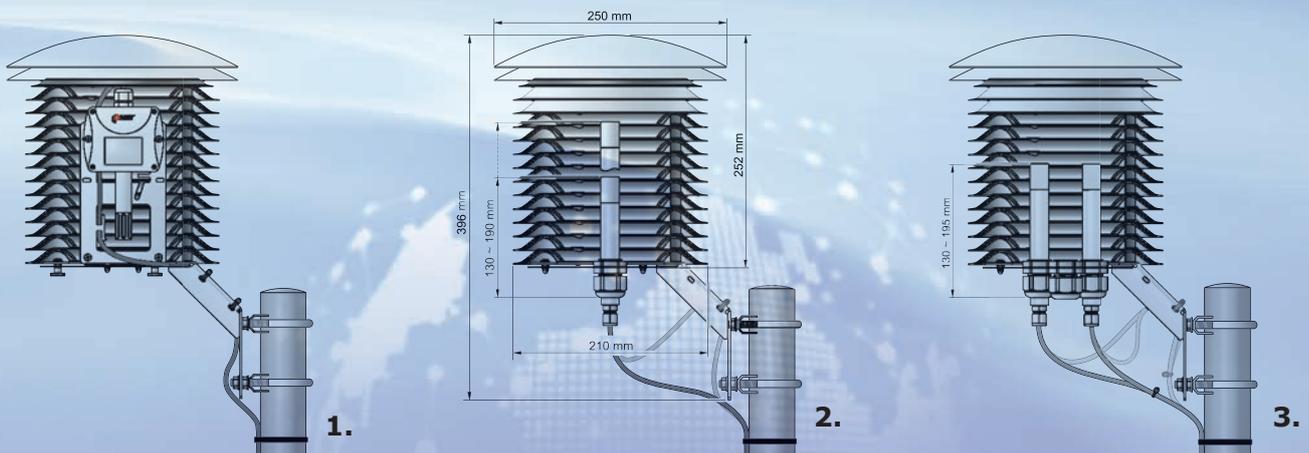
The F8001 is a universal, naturally ventilated weather cover designed to protect measuring probes with diameters ranging from 13 to 18 mm from weather effects. If needed, a weather cover with mounting bushings can be provided for probes of different sizes.

3.

F8004 - version with four bushings
Version 2 and 3 can be used with most devices and probes, e.g. Vaisala, Rotronic.



Operating temperature range -40 to +65 °C



COMET System has established cooperation with Masaryk University in Brno and is involved in its research at the Czech polar station Johann Gregor Mendel, located on James Ross Island.

The U3121 datalogger and a temperature and humidity probe are used for measurements in Antarctic conditions where temperatures drop well below freezing. The entire set is housed in a COMETEO F8800 which protects the datalogger and sensors in extreme conditions.

The datalogger U0141 is used as an additional measuring instrument with the usual temperature probes, but also with probes for cryo environments. With these sensors it is possible to measure both air temperature and temperature just above the surface.



The previous version of the F8800 radiation shield in Antarctica. The new design of the latest F8000 product is developed using experience from extreme environments.

product catalog

