



Protection of sensors against weather conditions Cometeo.net

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. Large 210mm diameter of 14 plates is designed to provide complete protection for weather sensor.

Each of the fourteen black louvers is equipped with a circular slot allowing air to flow vertically through the entire radiation shield. The slot also separates the sunlit part of the louver from the inner part and thus prevents heat transfer to the sensors.

1. Cometeo F8000 has large diameter of lamels 210 mm and provides full protection of the measuring devices that can be located inside in the cylindrical space with a diameter of 110 mm.

2. F8001 - Universal naturally ventilated weather cover any measuring probes with diameter 13 to 18 mm before weather effects. As required a weather cover can be provided another size mounting bushings for the probe.

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

