Radiation Shield for Weather Sensors, actively ventilated with built-in fan

code: F8900



Newly developed motorized meteorological screen for humidity, temperature, pressure, CO2 or transmitters. Professional active solar radiation shield for meteo sensors.
Multiplate radiation shield is used to protect measuring devices and provides more accurate measurement results. The shield minimizes radiation reaching the sensor, minimizes radiation absorbed by the shield and maximizes ambient air flow around the tube with sensor. The enlarged 200mm diameter of 13 plates is designed to provide full protection of measuring device.

Optimized design combines all excelent features of multi-plate shield with effective active ventilation by means of a high performance fan powered from external 12Vdc voltage. The unique design allows the use of a low energy fan that minimizes potential sensor's parasitic heating from the fan motor.

The most important advantage of artificial ventilation of the shield is the reduction of the daytime radiation error especially in calm days with low winds.

"Not only radiation shield, but the complete COMETEO system minimizing negative effects"

Technical data

GENERAL TECHNICAL DATA	
Supply voltage	12 Vdc
Power consumption of fan	0.6 W
Pulse output	2 pulse / rev. (max. current of output is < 5 mA, the pulse output is not protected against short circuits)
Temperature operating range	-40 to +80 °C
Relative humidity operating range	0 to 100 %RH
Storage temperature range	-40 to +80 °C
Storage relative humidity range	0 to 100 %RH (no condensation)
Dimension	220 mm (diameter), 250 mm (height)
Weight	approx. 900 g
Material	ASA - UV stabilized, antistatic
Warranty	3 years