



## Sensor Screen (SS11 Series)

### Description

The sensor screen SS11 is designed to be base mounted on a horizontal pole or surface, or can be suspended using the eyehook provided as illustrated in the photo to the right.

The screen protects temperature and humidity sensors from direct sunlight (radiation) and from rain and dew. This allows the sensors to measure true air temperature and humidity “in the shade”. A double roof containing a thermal insulation layer on the top minimises direct heating from sunlight. The “double louvred” design allows free horizontal airflow without permitting entry of direct sunlight from any angle, including light reflected off the ground. The body of the screen lifts off the base for inspection of sensors. Testing has shown that this enclosure closely matches the performance of the Australian Standard “Stevenson Screen.”

### Construction

The screen consists of several rings made of 1mm powder-coated aluminium. (Typically, there are 2 closed and 8 open rings, as well as 1 domed ring on top of the screen). The rings are mounted on 3 brass rods which extend through the base plate and are separated by hard plastic spacers. Stainless steel brackets for mounting the temperature and humidity sensors are located in the base of the screen.



### Features

- Equivalent to standard Stevenson Screen
- Easy removal to facilitate access to sensors
- Louvred construction prevents entry of light
- Sturdy, low-maintenance construction

### Dimensions

- |                         |         |
|-------------------------|---------|
| • Diameter              | 19.5 cm |
| • Height including rods | 20.5 cm |
| • Height excluding rods | 18.5 cm |

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