SENSOR SHELTER, MOUNTING ARM & LOCKABLE HOUSING

(SS32, SS33, MA30 & LH35)

Features

- Equivalent to standard Stevenson Screen
- Mounting arm facilitates air flow
- Protects air temperature & relative humidity sensors
- Special louvred design prevents entry of direct and reflected radiation and precipitation
- Easy removal of screen to access sensors
- Aluminium and stainless steel construction
- Sturdy, low-maintenance design
- Simple to mount, protects sensor cables

Description

The SS32 sensor shelter is designed to be base mounted on a horizontal MA30 mounting arm.

The shelter protects temperature and humidity sensors from direct sunlight (radiation) and from rain. This allows the sensors to measure true air temperature and humidity “in the shade”.

SS33 Top Mounted Sensor Shelter

SS32 Bottom Mounted Sensor Shelter

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 sunlight from any angle, including light reflected off the ground.

Testing has shown that this compact, affordable and sturdy enclosure closely matches the performance of the Australian Standard “Stevenson Screen”.

The body of the shelter lifts off from the base for easy cleaning of the louvres and sensor inspection.

Sturdy Construction

Both the mounting arm and the sensor shelter are made of powder-coated aluminium.

The mounting arm includes a sealing cap at the end and fully encloses the sensor cables for protection.

SENSOR SHELTER, MOUNTING ARM & LOCKABLE HOUSING
SPECIFICATIONS

Dimensions

Sensor Shelter, SS32:

- Diameter 19.5 cm, height 20.5 cm
- Weight 1200g

Mounting Arm, MA30:

- 50 x 50 mm SHS Aluminium 580 mm long
- Weight 950g

Stainless steel brackets for mounting Environdata temperature and humidity sensors are located in the base of the shelter.

Mounting Options

Whether you are installing a suite of sensors or a whole weather station, Environdata offers a wide range of robust, integrated mounting options.

SS33 Top Mounted Sensor Shelter

The SS33 mounts to the underside of the cross arm at 2 metres and 10 metres. This provides a solution for 2 and 10 metre mounting of the TA and RH sensors.

IS31 2m Mounting Mast & XA31 Cross Arm

The IS31 & XA31 are robust and corrosion resistant, made from 65 x 65 x 3mm SHS aluminium, powder coated, and designed with integral sensor and system mountings.

The IS31 mounts the MA30 & SS32 sensor shelter at 1.5m and the XA31 cross arm at 2m.

The XA31 cross arm is designed to mount the wind speed, wind direction, solar radiation and black globe temperature sensors.

The IS31 includes mounts for Environdata's solar panels, square trunking for cable protection and an earthing kit as standard.

LH35 Lockable Housing

The LH35 lockable housing is designed to provide additional physical protection to Environdata's IP66 data logger enclosures and mount easily and directly onto the IS31.

SS33 Top Mounted Sensor Shelter & LH35 Lockable Housing

Made from 3mm thick aluminium, the LH35 allows for cable entry direct from the IS31 for sensors on the cross arm. Cables also enter the base of the LH35 from the square conduit on the front of the IS31 for sensors on a separate mast or at a distance.

The IS31, XA31, LH35, MA30 & SS32/SS33 provide a simple, robust and integrated weather station mounting package. Environdata can supply 3m, 5m, 10m and custom mounting masts to suit your requirements.

Environdata
WEATHER STATION SPECIALISTS

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