



## ADVANCED INSTRUMENT SHELTER

This shelter offers many improved features and benefits over traditional wooden Stevenson screens.

Extensive research, development and testing bring you the Advanced Instrument Shelter, a maintenance-free solution to protecting your temperature and humidity instrumentation anywhere in the world.

The shelter is manufactured from durable plastic and plastic-coated aluminium, materials and coatings that are specially selected for their outstanding resistance to severe long-term weather.

Each instrument is assembled by hand and subjected to rigorous quality control checks throughout the production process. This shelter is your perfect partner for both manual and automated observations.



Advanced Small Instrument Shelter

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The Latest Advanced Instrument Screens from Casella are designed to be a direct replacement for the traditional wooden screens that have been supplied for many years. They can be installed on the current support frames.

Traditional housings are made of wood and painted, absorb water when old, affecting temperature and humidity measurements, and they require frequent maintenance. The advantage of the new screens is that they are manufactured from UV optimised plastic which requires no maintenance and does not interfere with the measurement equipment. This offers the user considerably extended life of the units in the field.

Extensively tested and approved for use by the UK Met Office, the new screens set a new standard in manual meteorological measurement techniques.

## FEATURES

- **Injection moulded high-impact louvres**  
White external layer in high grade UV optimised plastic. Featuring a black internal layer to absorb 'stray' radiation. The louvres also incorporate an agent to resist acidity in rain fall. Operating Temperature Range: - 53°C to +68°C.
- **Lightweight, corrosion-resistant aluminium frame**  
Fully CNC machined, polished and degreased prior to paint application. Followed by the application of an etch primer. Then the electrostatic application of Polyester powder. Finally the parts are baked and cured in an oven.
- **Stainless steel fittings as standard**  
Polyamide door hinges with stainless steel pins. A2 quality grade stainless screws.
- **Maintenance-free**, except for routine cleaning.

### Advanced Instrument Shelter

Screen  
Stand

M113011  
M131026A

### Advanced Small Instrument Shelter

#### Internal Dimensions

Width	396mm
Depth	219mm
Height	409mm
Weight approx	14 kilos

#### Ordering Information

Part Number	M113012
Iron Stand	M113008

#### Contact Details

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