Introducing our range of meteorological Screens, designed for use at inland and coastal Met Stations, and in all climates. They can be used to house a complete range of instrumentation, whilst ensuring outstanding protection from the heating effects of solar radiation and direct exposure to rain and snow.

Benefits over traditional simple wooden Screens include:

- Weatherproof construction
- Extremely durable
- Improved accuracy
- Unique double-louvered construction
- Highly durable, non yellowing, UV stable plastic
- Secure accommodation for a complete range of thermometers, sensors and larger equipment

Instrument Screens/Shelters

MetSpec Instrument Shelters are an established industry standard and are sold to many national meteorological services and industrial customers worldwide. They have proven to be exceptionally durable over many years, and are in daily use in many countries with extreme and varied climates. Their innovative design features a durable white powder-coated frame and robust outer louvers which are resistant to UV radiation and chemical attack.

The design of the shelters feature a white outer reflective surface, combined with an inner barrier of non-reflective, black louvers. This prevents sunlight and reflected radiation reaching the sensors or thermometers, whilst still allowing air to flow across them. Inter-comparison trials have confirmed that errors under adverse conditions are significantly less than inside the old wooden Stevenson Screens.

Key Features

- Extremely durable design
- Accuracy in trials
- Improved protection against wind-blown precipitation
- Secure installation of thermometers, with stable mounting
- Durable white reflective UV stable plastic and aluminium frame
Accuracy

Testing of Metspec Screens has been carried out by several national meteorological services. Test reports are available upon request.

For our standard range of Screens, in conditions of high solar radiation and wind speeds less than 1 m/s the readings were compared with aspirated shields and traditional wooden Stevenson Screens.

The errors were less than half those recorded in wooden Stevenson and close to those in aspirated shields.

Specifications

- Double louvred high impact thermoplastic louvres
- White external layer, with UV stabiliser for long-term weather resistance
- Extra black internal layer
- Aluminium frame with durable white powder coating
- A4 grade (316), stainless steel bolts used throughout
- High impact UV stable roofs and floors
- Easy mounting onto metal structures
- Padlockable doors at the front and rear, which hinge downwards

Dimensions and weights

<table>
<thead>
<tr>
<th>MET 01:</th>
<th>MET 02:</th>
<th>MET 03:</th>
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<tbody>
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| External (roof not included): | External (roof not included): | External (roof not included): | External (roof not included): |
| width 568mm        | width 430mm       | width 307mm       | width 430mm       |
| depth 390mm        | depth 307mm       | depth 307mm       | depth 307mm       |
| height 559mm       | height 559mm      | height 559mm      | height 559mm      |

Weight: 25.5kg       Weight: 18kg       Weight: 13kg       Weight: 11.5kg       Weight: 29kg       Weight: 22kg       Weight: 19kg