

Stevenson Screens



Mini



Single / Small



Double / Large

The 'Instrumex' make Stevenson Screen, manufactured as per IS: 5948:1970, are standard shelter (from rain, snow and high winds, but also leaves and animals) for meteorological instruments, particularly Max., Min., wet and dry bulb thermometers used to record humidity and air temperature.

It is kept 1.2m above the ground by legs / Concrete Pillars to avoid strong temperature gradients at ground level, has louvred sides to encourage the free passage of air, and is painted white to reflect heat radiation, since what is measured is the temperature of the air in the shade, not of the sunshine.

Walls and floor of white-painted wood provide screening, and extensive louvres maintain adequate ventilation on all but the stillest days.

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A screen is designed to provide an enclosure with a uniform temperature the same as that of outside air. It is completely surround the thermometers and exclude radiant heat and precipitation. The walls of such a screen should preferably be double-louvered and the floor is made of staggered boards. For Small & Large Stevenson Screen the roof is double-layered, with provision for ventilation of the space between the two layers.

Three types of screens are available

Mini –for Two vertical type meteorological thermometers

Dimensions: Mini screen

Width : 230 mm

Depth:130 mm

Height : 340 mm

Single / Small – for four meteorological thermometers

Dimensions: Small screen

Width (Between inner slots of louvers): 560 mm

Depth (Between inner slots of louvers): 315 mm

Height (Between middle of lower roof and floor): 412 mm

Double / Large – for thermograph and hygrograph

Dimensions: Large screen

Width (Between inner slots of louvers): 1325 mm

Depth (Between inner slots of louvers): 315 mm

Height (Between middle of lower roof and floor): 412



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Optional Accessories : Mounting Stand (to be purchased Separately)

for Small & Large Stevenson Screen

Height: 1.2 meter above Ground Level

Material: Mild Steel Angle with corrosion resistant Black Paint



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