Texas Electronics

"Relied on Worldwide in the Most Extreme Conditions"

TAS-1000 Aspirated Radiation Shield

Shown with optional solar panel

Specifications

Power Requirements	**12 VDC @ 40 mA**
Fan Capacity:	**6.3 cu. ft./min**
Diameter:	**7.25"**
Height:	**12.5"**
Weight:	**1.4 lbs. (0.6 kg)**

Features & Benefits

- Fan Aspirated shield reduces temperature excursions
- Stacked plate construction of shelter provides natural ventilation
- Quick-release mounting bracket allows for easy installation and maintenance
- Aluminum radiation shield is lightweight and extremely durable
- White powder coat finish reflects most radiant heat from sun and surrounding objects

Description

The Texas Electronics, Inc. Model TAS-1000 Aspirated Radiation Shield accepts our selection of Temperature / Humidity Probes with a single set screw. The unit is encased in a corrosive-resistant spun aluminum radiation shield that allows for wind aspiration but when there is no wind movement you get the benefit of our built in fan for accurate ambient temperature readings and protection from the suns UV rays. The shield is finished in white powder-coat to provide for virtual cosmetic invisibility while reflecting much of the radiant heat from surrounding objects and the sun.

Ordering Information

Model #: TAS-1000
Optional Parts / Accessories
Vaisala HMP60 Temp/RH Probe
TE temp/RH Probe
Solar Panel with mounting bracket: for self-powered option

Installation & Maintenance

The radiation shield can be pole or mast mounted. Mounting bracket has a U-bolt configured for attaching the shield to a tripod mast, tower leg or 1" NPT pipe (1.25" OD). Whenever possible, sensors should be installed at a height of 4 ft. (1.2 meters) or greater over earth or sod at least 100 ft. (30.48 meters) away from any concrete or other hard-surfaced area and not closer to any other object than four times the height of the object above the instrument shelter or remote sensors. Avoid roof installations if possible. If it is necessary to roof-mount shelters and sensors, they should not be closer than 30 ft. (9.14 meters) to any large, vertical reflecting surface (walls, etc.), exhaust fans, or cooling towers. Electronic remote sensors, when roof-mounted, should be installed at least 9 ft. (2.74 meters) or greater above the roof surface. To minimize radiation effects from the roof, they can also be mounted on a horizontal boom, so they extend from the side of the building roof or tower assembly.

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