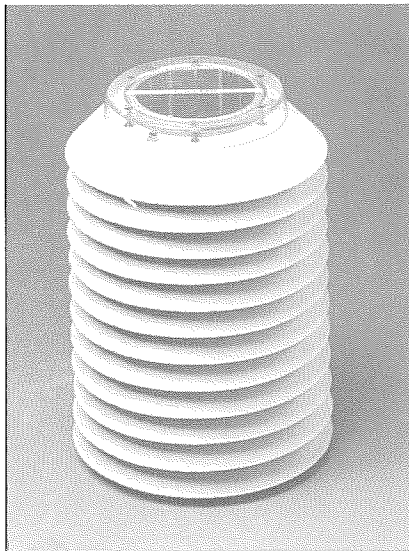


## DTR13, DTR13F and DTR15 Radiation Shields

- Fiberglass-filled polyester
- UV-proof
- Excellent ventilation
- Does not absorb water

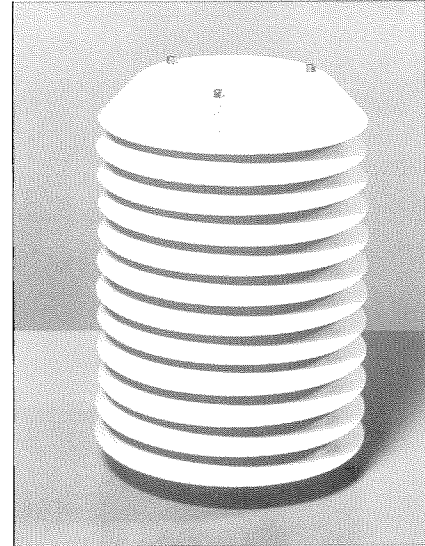


The **DTR13F Radiation Shield** is made of the same material as the DTR13 to withstand wind driven saltwater, rain and sunlight. In addition to natural ventilation, a solar powered fan provides extra ventilation to guarantee correct ambient temperature readings during calm days and nights.

A solar panel element, an integrated battery back-up and the fan are attached to the top part of the shield. 4-inch solar cells produce electricity for the fan's DC motor and recharge the NiCad battery. A fully charged battery has enough capacity to run the fan for a couple of cloudy days.

The installation and sensor mounting are identical to those of the DTR13 Radiation Shield.

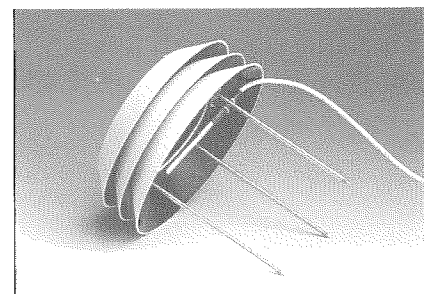
The **DTR15 Ground Radiation Shield** is designed to reflect the sun's direct radiation by means of its highly reflective white surface. It is used to protect the DTS12G Grass/Soil Temperature Probe from solar radiation and rain. The shield is fastened to its location by inserting its three stainless steel spikes into the ground.



The naturally ventilated maintenance-free **DTR13 Radiation Shield** provides protection from scattered as well as direct solar radiation and rain. The material is specially designed fiberglass-filled polyester to offer excellent thermal characteristics and durable UV-proof construction. The outer surface is painted white to reflect radiation while the inside is black to absorb accumulated heat.

The design of the DTR13 enables easy installation and sensor mounting. Not only Vaisala's sensors, such as the HMP35D Temperature & Humidity Probe or the DTS12A Air Temperature Probe can be used with the shield, but also environmental sensors of other manufacturers.

The radiation shield is tested to withstand vibration according to IEC 6-2 (Fc, sinusoidal vibration).



## DTR13 RADIATION SHIELD

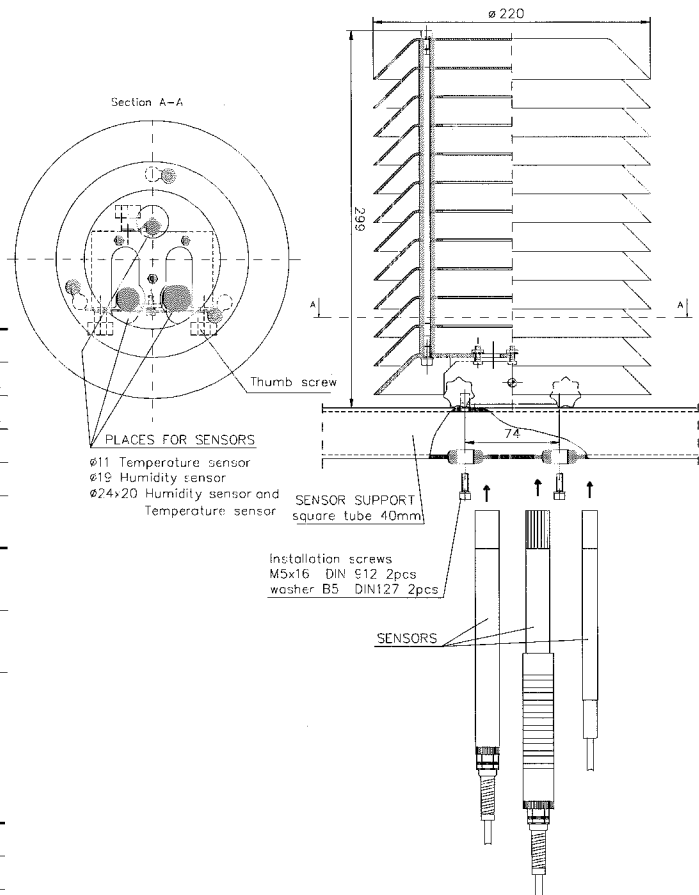
### DIMENSIONS

Outer diameter	220 mm
Outer height	300 mm
Inner diameter	110 mm
Inner height	223 mm
Weight	1.9 kg

### INSTALLATION

With screws to sensor support arm (square tube 40 mm)

With installation clamp (part number 16215) to round tube



## DTR13F RADIATION SHIELD

### DIMENSIONS

Outer diameter	220 mm
Outer height	310 mm
Inner diameter	110 mm
Inner height	200 mm
Weight	2.1 kg

### INSTALLATION

With screws to sensor support arm (square tube 40 mm)

### FAN

Operates when the battery charge is sufficient. The battery is charged by a solar cell.

Battery	NiCad, 1150 mAh
Operating temperature	-20 °C to +60 °C
Storage temperature	-20 °C to +35 °C

## DTR15 RADIATION SHIELD

### DIMENSIONS

Outer diameter	220 mm
Outer height	110 mm (+ 180 mm spikes)
Inner diameter	110 mm
Inner height	50 mm
Weight	1.4 kg

### INSTALLATION

Spikes inserted into ground



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