akribis

DATASHEET

DTR13

Vaisala · Authorized Partner

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VAISALA

DTR13 and DTR15 Radiation Shields



DTR13 radiation shield

Features

- Fiberglass-filled polyester
- UV-proof
- Excellent ventilation
- Water-repellent

Vaisala DTR13 and DTR15 radiation shields are designed for protecting probes and sensors against solar radiation and rain.

DTR13 radiation shield

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

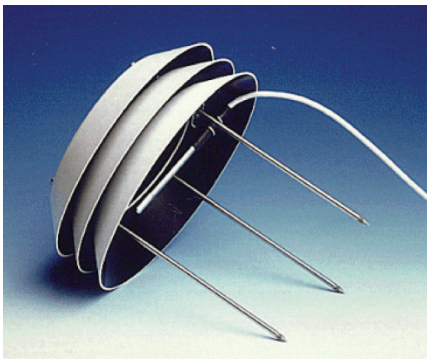
The design of DTR13 enables easy installation and mounting. DTR13 can be used with Vaisala HMP155 Temperature and Humidity Probe, DTS12A Air Temperature Probe, and also environmental sensors by other manufacturers. The radiation shield is tested to withstand vibration according to IEC 6-2 (Fc, sinusoidal vibration).

DTR13 is a large radiation shield for best performance (suitable for HMP155 with or without additional T-probe). It can be mounted on a horizontal 40 x 40 mm beam.

DTR13P44H is a large radiation shield with mounting arm for installation on Ø 60, Ø 75, and Ø 100 mm vertical poles. It can be mounted on a wall with a mounting arm.

DTR15 ground radiation shield

DTR15 is designed to reflect direct solar radiation by means of its highly reflective white surface. It is used for protecting DTS12G Ground/Soil Temperature Probe from solar radiation and rain. The shield is fastened to its location by inserting its 3 stainless steel spikes into the ground.



DTR15 ground radiation shield

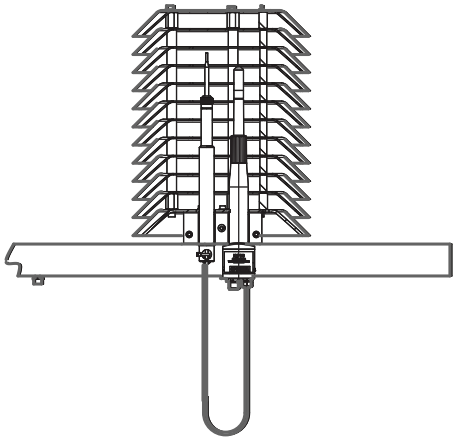
Technical data

DTR13 radiation shield dimensions

Outer diameter	220 mm (8.66 in)
Outer height	300 mm (11.81 in)
Inner diameter	110 mm (4.33 in)
Inner height	223 mm (8.78 in)
Weight	1.9 kg (4.19 lb)

DTR13 installation

DKP060SUP1 sensor support arm, square tube, for 60-mm (2.36 in) pole mast
DKP12SUP1 sensor support arm, square tube, for 100-mm (3.94 in) pole mast
DKPFIXP44H mounting arm for 60, 75 and 100-mm (2.36, 2.95, and 3.94 in) pole mast or wall mounting



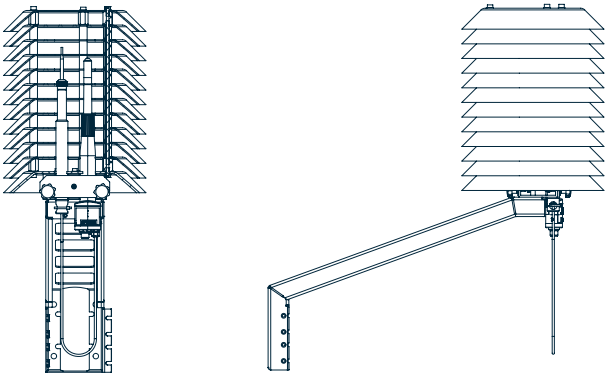
HMP155 inside DTR13 on sensor support

DTR15 radiation shield dimensions

Outer diameter	220 mm (8.66 in)
Outer height	110 mm + 180 mm spikes (4.33 in + 7.09 in)
Inner diameter	110 mm (4.33 in)
Inner height	50 mm (1.97 in)
Weight	1.4 kg (3.09 lb)

DTR15 installation

Spikes inserted into ground



HMP155 inside DTR13 on DKPFIXP44H

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