

## DTR500 Solar Radiation and Precipitation Shields

The Vaisala Radiation Shield Series DTR500 are solar radiation and precipitation shields support humidity probe installations in outdoor applications.

### Shield protects sensor

The maintenance-free DTR500 series shields protect the humidity and temperature sensors from solar radiation and precipitation. They provide excellent ventilation while blocking both direct and reflected solar radiation.

The special plastic used in the plates has excellent thermal characteristics; the white outer surface reflects radiation; the black inside absorbs accumulated heat. The shields can be easily installed on either a vertical pole, horizontal beam, or a flat surface.

The DTR Shields can be used with the following Vaisala probes:

- Vaisala HUMICAP® Humidity and Temperature Probe HMP155
- Vaisala HUMICAP® Humidity and Temperature Transmitter HMT337
- Vaisala HUMICAP® Humidity and Temperature Transmitter HMT100

### Choice of models and installation accessories

Two models are available:

- Nine-plate shield:  
Vaisala Radiation Shield DTR502B for HMT337, HMT100, PTU300 and HMP155's additional T probe
- Twelve plate shield:  
Vaisala Radiation Shield DTR503A for HMP155



*The Vaisala Solar Radiation Shield Series DTR500 are available in either a 9 or 12-plate, model.*

### Features/Benefits

- |   |   |
|---|---|
| ■ Protects temperature and humidity probes from scattered, as well as, direct solar radiation and rain. | ■ Installs easily on a vertical pole, horizontal beam or flat surface |
| ■ Maintenance-free  | ■ Suitable for a wide range of applications                           |
| ■ Naturally ventilated  | ■ Choice of shields and mounting accessories                          |

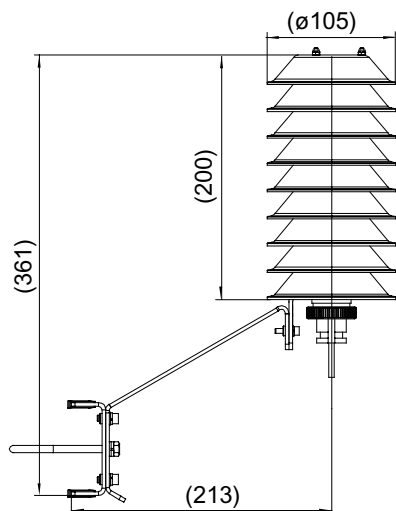
# Technical data

## Dimensions

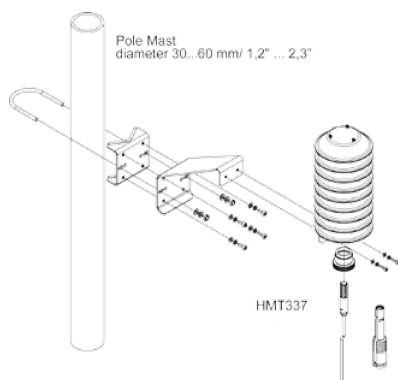
Dimensions in mm.

DTR502B

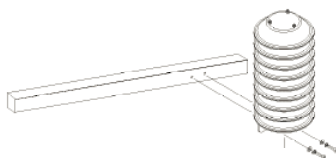
for HMT337, HMT100 and PTU300



DTR502B pole mast installation.



DTR502B horizontal beam installation.

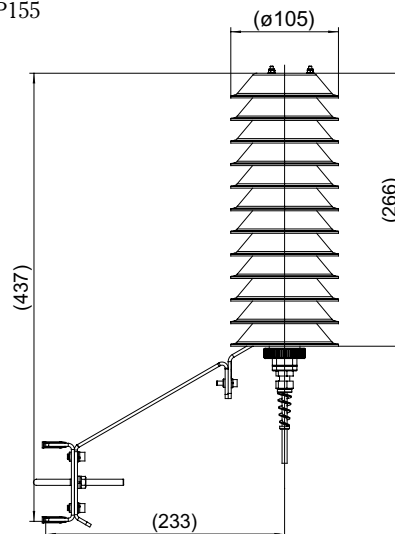


## Dimensions

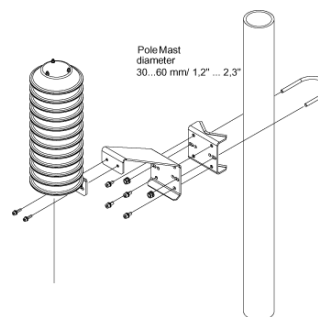
Dimensions in mm.

DTR503A

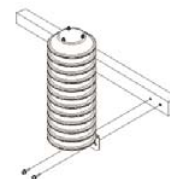
for HMP155



DTR503A pole mast installation.



DTR503A horizontal beam installation.



# VAISALA

For more information, visit  
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us at [sales@vaisala.com](mailto:sales@vaisala.com)

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