

# Radiation shield

## Instruction for use

### Application

The radiation shield is an important part for an accurate measurement of air temperature and humidity. It's the host of the transmitter for humidity and / or temperature and protect it against the influence of precipitation and for protection against direct and indirect radiation on the measurement.

### Construction and mode of operation

The radiation shield has 7 lamellas, consisting of Aluminium. The outer sides of the lamellas are silver-coloured anodised. This design ensures a high reflectance and low thermal capacity and thus a very small influence of the radiation to the sensor. The influence of reflected radiation from the ground will be suppressed by the black bottom of the lamellas. The construction of the shield allows good natural ventilation at low air speeds.

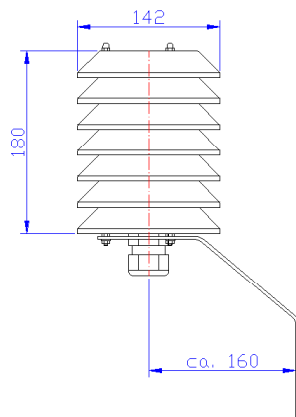
All parts are made of corrosion-resistant materials.

With the universal mast adapter the shield can be mounted on virtually every major vertical or horizontal mast.

### Technical Data

suitable for	: Series 4314xx and 4312xx
clamping diameter	: 9...14mm, (other clamping diameters optional available)
size of the ventilated space	: diameter 75 x 150mm
Mounting	: universal mast adapter for diameter 40 ... 80 mm, for mounting on vertical or horizontal masts
operation temperature	: -50 ... 80 °C
material	: Aluminium, anodised, stainless steel, PVC spacers
dimensions	: shield: diameter 142mm x height 180mm, total 142 x 225 x 380mm depth: 160mm
weight	: 0,8 kg

### Dimensions:



The Fischer company reserves the right, to make changes/improvements to their products and specifications at any time without prior notice.



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