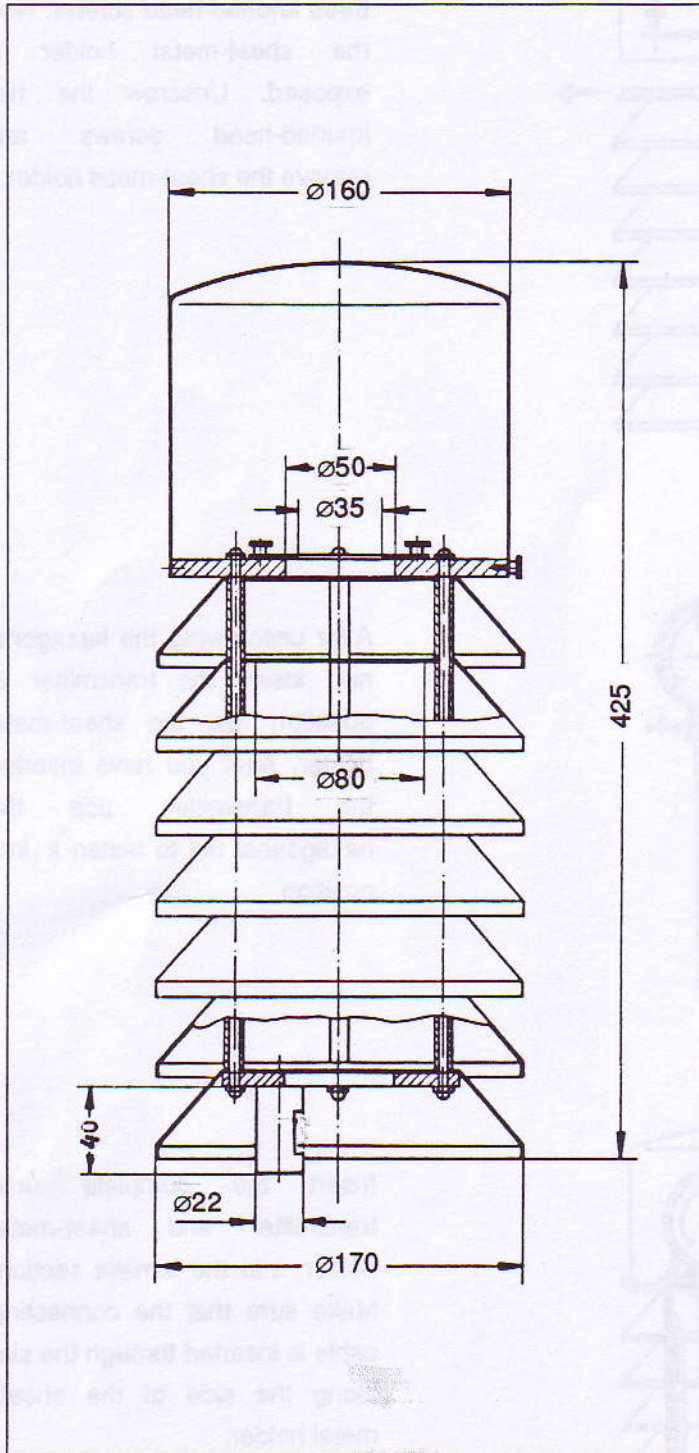


Weather- and Thermal Radiation Shield

Instruction for use 1.1025.51.000



Description

This instrument consists of seven ring-shaped lamella superposed one above the other and threaded through 4 columns. It is mounted on a stable flange with a receptacle peg and topped by a stable plate. At the very top, the unit is sealed by means of a cover. All parts are made of anodized aluminium. The outer surfaces of the lamella and the cover have been treated with a clear varnish to reflect the radiation of the sun. The inner surfaces of the lamella have been painted black in order to prevent heat radiation from affecting the temperature measuring element.

For use in the open air the Weather- and Thermal Radiation Shield is a protective cover for the following instruments:

Hygro-Transmitter 1.1000.5x.xxx
or 1.1002.5x.xxx
Hygro-Thermo-Transmitter 1.1005.5x.xxx

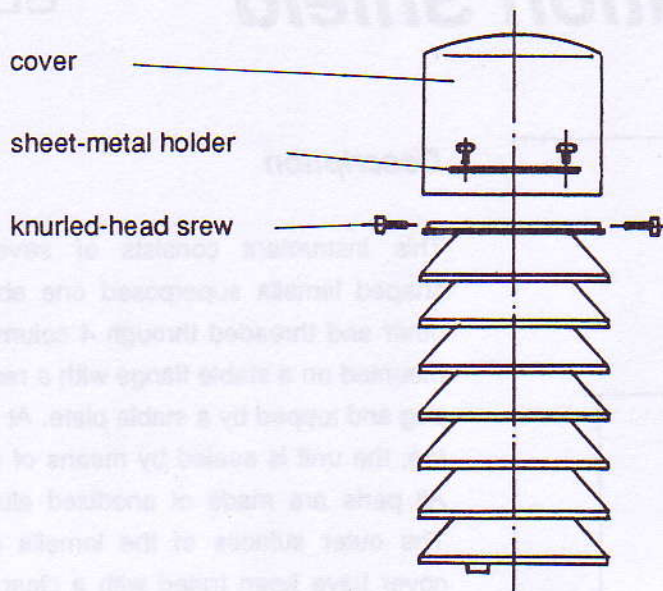
Maintenance

When using together with a Hygro-/ or Hygro-Thermo-Transmitter, please make sure that the lamella and the cover are clean and unscratched. Otherwise it will not reflect the radiation of the sun properly and incorrect measurements will result.

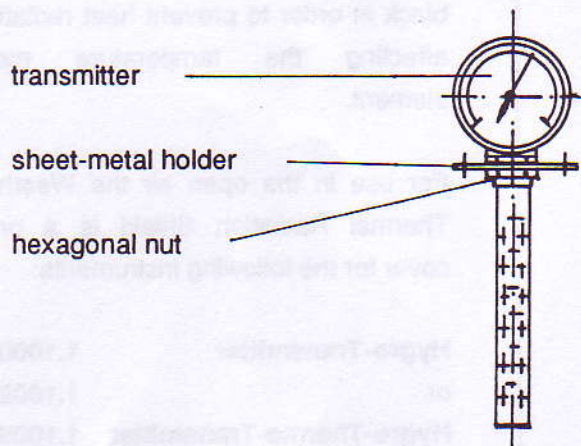
Mounting the Weather- and Thermal Radiation Shield

There is a flange with a peg ($\varnothing 22$) pointing downwards on the bottom of the instrument. Insert the complete Weather- and Thermal Radiation Shield unit by means of the peg into a receptacle boring and lock into place by means of a screw on the side of the boring. The instrument has a transverse notch on the peg which prevents it from falling out even if the screw is loose.

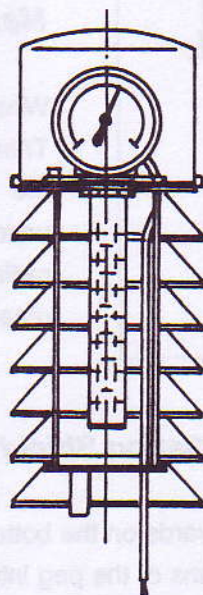
Installing the Hygro-Transmitter or the Hygro-Thermo-Transmitter



Remove the cover of the instrument by unscrewing the three knurled-head screws. Now the sheet-metal holder is exposed. Unscrew the two knurled-head screws and remove the sheet-metal holder.



After unscrewing the hexagonal nut, insert the transmitter in question into the sheet-metal holder. After you have inserted the transmitter, use the hexagonal nut to fasten it into position.



Insert the complete unit, transmitter and sheet-metal holder, into the lamella section. Make sure that the connecting cable is inserted through the slot along the side of the sheet-metal holder.

After securing the unit by means of the knurled head screws, replace the cover and tighten the 3 knurled-head screws thoroughly.

ADOLF THIES GmbH & Co.KG
Hauptstraße 76 37083 Göttingen Germany
Postfach 3536 + 3541 37025 Göttingen
Tel. (0551) 79001-0, Fax (0551) 79001-65,