

# METEOROLOGICAL INSTRUMENTS



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P4.01

## 16.89 Evaporation pan

The class-A evaporation pan is used to determine the evaporation rate of open water.

The pan has a 1206 mm diameter and an inside height of 254 mm, an evaporation area of 1.15 m and is made of high grade stainless steel.

The evaporation pan is supplied complete with highly qualified evaporation micrometer and stilling well (wave dampening cylinder), water level and wooden support for evaporation pan.

Measuring range of the evaporation micrometer 100 mm. Accuracy 0.02 mm.

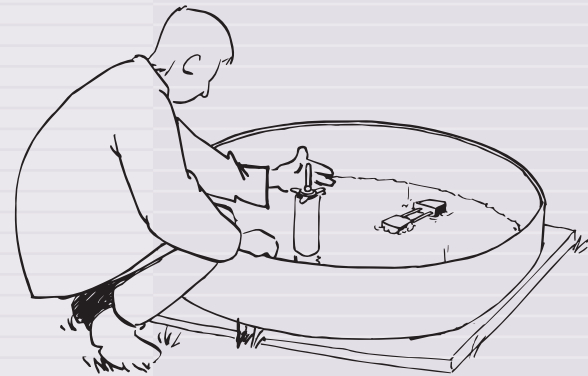
For a more exact use of the evaporation pan it is recommended to use an additional wind path meter.

For automatic measurement of the evaporation use can be made of a level sensor. The level sensor consists of a sensitive pressure transducer built in a stainless steel housing.

The sensor has a pressure range of 0-20 mbar, accuracy 0,25%. Output signal 0-20 mA, power supply voltage 8-28 V. The sensor is supplied with 5 m cable.

The sensor is read-out with a datalogger. To configure and read-out the datalogger and to process the measuring data, use is made of the evaporation pan software.

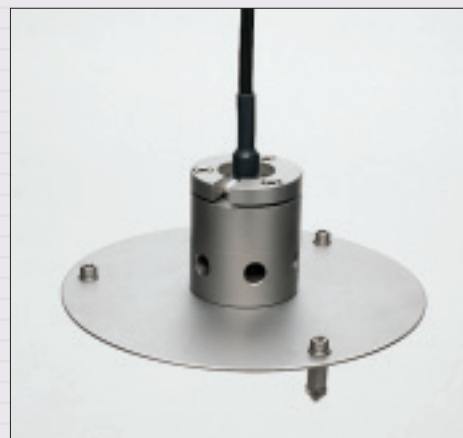
As the wind influences the evaporation rate, it is important to use a wind path meter in combination with the evaporation pan.



Evaporation pan, complete set



Evaporation micrometer



Automatic level sensor

## BENEFITS

### 16.89 Evaporation pan

- Stainless steel for decades of operation
- Very accurate but simple micrometer read-out
- Basic tool to predict evapotranspiration
- Can be combined with pressure sensor & logger



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