

Rain and Snow Meter

acc. to Hellmann

Instruction for use 5.4005.00.000



General

Rain, snow, drizzle, soft hail, hail etc., that fall down to the surface, are collected in the Rain and Snow Meter, the precipitation quantity is read in a measuring cylinder.

Each instrument consists of an upper and a lower part made of stainless steel, a measuring cylinder and a metal holder.

Installing and mounting

The Rain and Snow Meter has to be erected at least as far away from trees, walls, buildings etc. as high they are. It has to be made sure that the precipitation fall can be taken up by the collecting area even if a strong wind is blowing from all directions.

The complete Rain and Snow Meter is fixed to a timber pile with the attached metal holder. This timber pile should be skewed above so that a falsification of the measurement caused by sprinkling water is excluded.

When fixed to the timber file, the upper end of the Rain and Snow Meter has to be about 10 cm above the top of the pile. The collecting area should be lying horizontally above the ground.

Afterwards the instrument is hanged up in the holder. At the same time it has to be made sure that the measuring vessel is put into the lower part.

For analysing the collected precipitation the upper part has to be removed, and the reading is done directly at the measuring vessel in mm corresp. 1 liter/m².

Attention : The metal ring is put on only to carry out a better cleaning. Only a sharp-edged ring guarantees an error-free measurement.

Technical Data

Model	: acc. to Hellmann
Collecting area	: 100 cm ²
Meas. receptacle	: 250 cm ³ = 25 mm precipitation
Graduation	: 1 mm precipitation (1 litre / m ²)
Material	
Housing	: Stainless steel
Collecting ring	: Brass
Dimensions	: Ø 115 x 315 mm
Weight	: 0,8 kg



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