

Precipitation Meter / Rain and Snow Gauge

Operating Instructions 5.4000.00.000 / 5.4001.00.000



General Information

Precipitation striking the surface of the earth in the form of rain, snow, drizzle, sleet, hail etc. is collected by the precipitation meter.

There is a sharp-edged ring on the upper part of the meter which has a collecting area of 200 cm². The precipitation which has been collected is led off into the collecting can to prevent it from evaporating. The measuring cylinder, which is included in the shipment, is graduated in mm precipitation, making it easy to determine the volume of rainfall.

Delivery includes the following:

Order No. 5.4000.00.000	Order No. 5.4001.00.000
Consisting of :	as 5.4000.00.000 , additional parts :
1 Upper part	1 Upper part
1 Lower part	1 Lower part
1 Support	1 Collecting can
1 Collecting can	1 Cover
1 Measuring cylinder	2 Snow crosses

Mounting and Assembling the Instrument

The instrument should be set up at a site whose distance from neighbouring buildings or trees is equal to the height of these objects. It should be free towards the side facing the weather.

Attach the complete rain gauge with the enclosed metal clamp to a pole. The pole should be skewed at the top to prevent erroneous measurement data resulting from spray water. When the instrument has been mounted, the collecting ring of the rain gauge should be situated approximately 10 cm above the tip of the pole. The collecting surface should be 1 m above the ground.

Now place the instrument in the holder making sure that the collecting can has been inserted.

To measure the amount of precipitation, remove the upper part and pour the precipitation, which has been gathered, into the measuring cylinder.

Precipitation can be read in mm precipitation per measurement period. 1 mm of precipitation corresponds to 1 litre/ m² of liquid.

To measure snow with the **Rain and Snow Gauge, order no.: 5.4001.00.000**, insert a snow cross into the upper part of the rain gauge. This prevents the snow from blowing away. Then simply remove the rain and snow gauge together with the precipitation which has been gathered once a day, replace it with the second instrument and allow the precipitation to melt in a moderately warm room.

The amount of melted snow in the measuring cylinder indicates the amount of precipitation.

Technical Data

Order - No.	5.4000.00.000	5.4001.00.000
Model :	DIN 58666 C	DIN 58666 D
Collecting surface :	200 cm ²	200 cm ²
Measuring cylinder :	200 cm ³ = 10 mm precip.	200 cm ³ = 10 mm precip.
Graduation :	0,1 mm precipitation	0,1 mm precipitation
Collecting can :	1,4 l	1,4 l
Material		
Housing :	Stainless steel	Stainless Steel
Cover :		Al , anodised
Collecting can :	Hostalen	Hostalen
Measuring cylinder :	Polystyrol	Polystyrol
Dimensions :	Ø190 x 450 mm	Ø190 x 450 mm
Weight :	3,2 kg	6,5 kg

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