

# METEOROLOGICAL INSTRUMENTS



You will return to the contents of P4 EARTH MONITORING by clicking the pictogram

P4.01

## Rain

Rain gauges are used to determine the precipitation at a certain point which is representative for a certain area. It is essential that the day-figures have an accuracy of 0.2 mm.

Important characteristics of rain gauges are:

- ☐ An adequate measuring area.
- ☐ A collecting bucket with a sharp edge, a smooth inside and such a shape that splashing out of precipitation is avoided.

Our rain gauges should meet these norms.

### 16.76 Rain gauge with large (external) collecting jar

Rain gauge consisting of a collecting funnel with collecting jar and measuring vessel. The rain gauge is connected to an external collecting jar (contents 20 liter) by a syphon tube. The rain gauge is specially designed for intensive precipitation (tropics). The collecting area measures 200 cm<sup>2</sup>.



Rain gauge with large collecting jar



Standard rain gauge

### 16.77 Standard rain gauge

Rain gauge (in accordance with DIN 58666C) consisting of a collecting funnel with a 1 liter collecting jar and measuring vessel of 0-10 mm with a 0.1 mm division. Collecting area 200 cm<sup>2</sup>.

### 16.78 Mechanical precipitation recorder

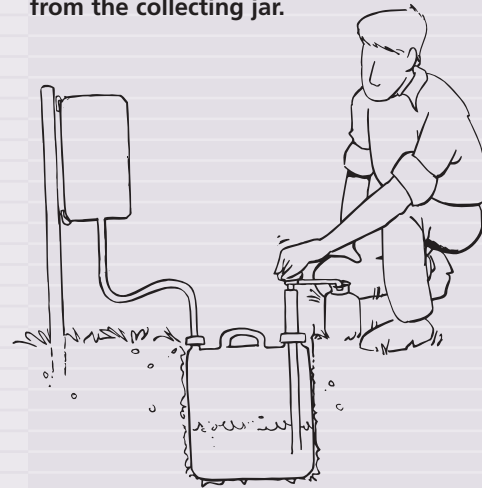
Mechanical self-recording rain gauge with sheet metal funnel with limit ring and siphon with automatic drain after 10 mm height of precipitation. The precipitation recorder has a collecting area of 200 cm<sup>2</sup>.

Registration over a 7 day period. Scale division 0.1 mm. Complete with recording sheets and accessories. The mechanical self-recording rain gauge is suitable for measuring the precipitation intensity (determination of precipitation peaks).

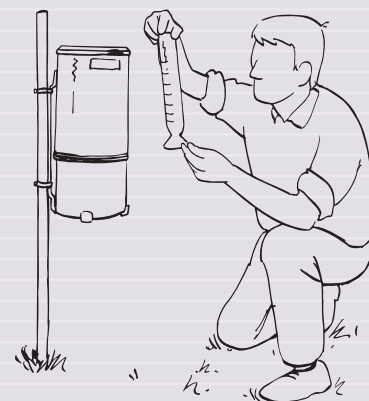


Mechanical precipitation recorder

Using the hand-pump the precipitation is pumped from the collecting jar.



Measuring the precipitation with the standard rain gauge.



## BENEFITS

### 16.76 Rain gauge with large collecting jar

- Not sure if you can empty your gage in time?
- This meter does not mind being left alone
- No drop of rain is lost (total precipitation)
- Meant for remote areas with high rainfall

## BENEFITS

### 16.77 Standard rain gauge

- Simple but durable and accurate rain gauge
- Pour rain in beaker; anyone can use this one



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