

Precipitation

Content

Measurement Technologies for Amount / Intensity / Type of Precipitation	1
Tipping Bucket.....	1
Radar-Based Measurement	1
Doppler-Radar-Based Measurement.....	1

Measurement Technologies for Amount / Intensity / Type of Precipitation

Tipping Bucket

Rain enters gauge through an orifice (200 cm²), protected by distortion-preventing aluminum ring. Resolution is 1 mm, 0.2 mm or 0.1 mm (WMO standard). Optional heater assembly for extremely cold environments.

Radar-Based Measurement

Doppler-Radar-Based Measurement

The radar-precipitation sensor is equipped with a 24 GHz doppler-radar in order to measure the speed of rain or snow drops. Due to the correlation of drop size and speed, the precipitation amount is calculated. Maintenance-free.