

MODEL 52202/3

TIPPING BUCKET RAIN GAUGE



The **Tipping Bucket Rain Gauge** meets the specifications of the World Meteorological Organization (WMO).

The design uses a proven tipping bucket mechanism for simple and effective rainfall measurement.

The bucket geometry and material are specially selected for maximum water release, thereby reducing contamination and errors.

Catchment area of 200 cm² and measurement resolution of 0.1 mm meet the recommendations of the WMO.



Leveling screws and bullseye level are built-in for easy and precise adjustment in the field. Measured precipitation is discharged through a collection tube for verification of total rainfall.

Model **52202** is heated for operation in cold temperatures. An unheated version, **52203**, is available for use in moderate climates. To discourage birds from perching on the funnel rim, accessory bird wire assembly may be attached to the gauge.

SPECIFICATIONS:

Size:

18 cm dia. x 30 cm high, (39 cm high with mounting base)

Catchment Area:

200 cm²

Resolution / Sensitivity:

0.1 mm per tip

Output:

Magnetic reed switch (N.O.), rating 24VAC/DC 500mA

Operating Temperature:

-20°C to +50°C (heated)

Power:

18 Watts for heater only

Mounting:

Clamp for 1" (1.34" dia.) iron pipe
or 3 bolts on 160mm dia. circle

Other:

Leveling adjustment, thermostatic control for heater, intake screen

MEASURING RANGES & ACCURACY

RANGE	ACCURACY	NOTE
0 - 25 mm/h	2%	Intrinsic accuracy
25 - 50 mm/h	3%	
0 - 75 mm/h	±1%	Combined accuracy (95% confidence) for Rain Gauge + METEODATA/HYDRO-DATA Logger with correction algorithm
75 - 500 mm/h	±2%	



METEODATA 3000
Data Logger/Transmitter Unit
(GSM/GPRS-Radio or Satellite)

Ordering information	Model	Model
	Aluminum Body	Stainless-Steel Body
TIPPING BUCKET RAIN GAUGE (HEATED)	52202	52202-20
TIPPING BUCKET RAIN GAUGE (UNHEATED)	52203	52203-20
BIRD WIRE ASSEMBLY	52250	
VERTICAL SUPPORT(1.5 s /> UJ OKJ &ZKR&)	SPL-5200	