

Reliable Rainfall Measurement

precipitation



Model 52202

Tipping Bucket Rain Gauge

Model 52202 Tipping Bucket Rain Gauge

The YOUNG 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:
0.1 mm per tip
0.2 mm per tip (optional)

Accuracy:
2% up to 25 mm/hr
3% up to 50 mm/hr

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

Ordering Information

MODEL

TIPPING BUCKET RAIN GAUGE (HEATED)	52202
TIPPING BUCKET RAIN GAUGE (UNHEATED)	52203
BIRD WIRE ASSEMBLY	52250

CE Complies with applicable CE directives.
Specifications subject to change without notice.

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