



## Tipping Bucket Rain Gauge

Model 52202/52203

**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 cm<sup>2</sup> 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.

For coastal salt air applications and other corrosive environments, the gauge is offered with a marine grade stainless steel housing.



### Specifications

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

**Catchment Area:** 200 cm<sup>2</sup>

**Resolution:** 0.1 mm per tip

**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