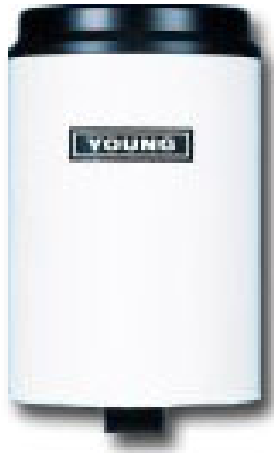


## Rain Gauge



### Application

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. Extensive use of molded thermoplastic components ensures maximum performance and value. Levelling screws and bull's eye 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 is heated for operation in cold temperatures. An unheated version is available for use in moderate climates

### Specification

|                        |  |
|------------------------|--|
| Size:                  | 18cm dia. X 30 cm high, (39 cm high with mounting base)              |
| Catchments Area:       | 200 cm <sup>2</sup>  |
| Resolution:            | 0,1mm per tip  |
| Accuracy:              | 2% up to 25 mm/hr<br>3% up to 50 mm/hr                               |
| Output:                | Magnetic reed switch (N.O.), rating 24 V AC/DC                       |
| 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 160 mm dia. Circle |
| Other:                 | Leveling adjustment, thermostatic control for heater, intake screen  |