

# **7852M / 7852M-AB / 7852I / 7852I-AB RAIN GAUGES**



**7852M/I Rain Gauge**



**7852M/I-AB Rain Gauge**

The Rain Collector is designed to meet the guidelines of the World Meteorological Organization. Rain enters the collector cone, passes through a debris-filtering screen, and collects in one chamber of the tipping bucket. The bucket tips when it has collected an amount of water equal to the increment in which the collector measures (0.2mm or 0.01inch). As the bucket tips, it causes a switch closure and brings the second tipping bucket chamber into position. The rain water drains out through the screened drains in the base of the collector.

The collector is designed for years of accurate, trouble-free service. The body and base of the collector are constructed of tough, UV resistant plastic; the tipping bucket pivots on bearings that minimize friction and wear. Stainless steel adjustment screws under each chamber of the tipping bucket allow you to fine-tune the calibration of the Rain Collector.

1. Rain Gauge (P/N: 7852M / 7852M-AB or 7852I / 7852I-AB)
  - a. Sensor type: Tipping Bucket with magnetic reed switch
  - b. Sensitivity: 0.2mm (M Series); 0.01inch (I Series)
  - c. Output: Contact closure
  - d. Housing Material: UV stabilized ABS plastic
  - e. Dimensions: Rain Collector 16.5cm diameter \* 24cm high  
Collection Area 200cm<sup>2</sup>
  - f. Air bubble for leveling (P/N: 7852M/I-AB only)
2. Optional RG-BASE Metal base for Rain Gauge series