



Tipping Bucket Rain Gauge Model TR-525M



**Model TR-525M
Tipping Bucket Rainfall Sensor**

- Exterior constructed of aluminum to withstand harsh weather conditions and climates.
- Accurate, reliable, rugged and economical.
- Easily connects to data logger, event logger, or digital display.
- Available in English (.01ⁱⁿ/tip) or metric (.1mm/tip) measure.
- Optional 8-inch collector is available.
- Completely automatic.
- Dependable reed switch.
- Debris screen prevents leaves and debris from entering unit.
- Can easily convert from English to metric measure by simply changing the collector funnel.
- The collector's knife-edge optimizes rainfall catch.
- Hardened stainless steel pivot & jewel tipping assembly eliminates the need for bearings.
- Three-year warranty



Texas Electronics, Inc.

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Tipping Bucket Rain Gauge

SPECIFICATIONS:

General:

Resolution: 0.01" English Measure
0.1mm Metric Measure

Accuracy: 1% at 1"/hour (English) using dynamic calibration method
1% at 25.4mm/hr (Metric) using dynamic calibration method

Switch Type: Magnetic Reed Switch

Switch Closure: 135ms average

Switch Rating: Maximum of 30 VDC @ 2A, 115 VAC @ 1A

Environmental Range:

Temperature: +32°F to + 122°F (1°C to 60°C)

Humidity: 0 - 100%

Physical:

Height (with Mounting Feet): 10.0" (25.4 cm) (TR-525I)
12.00" (30.48 cm) (TR-525 M)
11.25" (28.58 cm) (TR-525 USW)

Weight: 2.5 lbs. (1.13 kg)

Cable: 60 ft, 2-conductor

Receiving Orifice Diameter: 6.60" (16.8 cm) (TR-525I - English Measure)
9.66" (24.5 cm) (TR-525M - Metric Measure)
8.00" (20.3 cm) (TR-525 USW - English Measure)

Funnel Depth: 5.3" (13.5cm) (TR-525I)
7.2" (18.3cm) (TR-525 M)
6.4" (16.3cm) (TR-525 USW)

Materials: Tipping Bucket - plastic
Collector funnel - aluminum with gold anodized finish
Housing - aluminum with white baked enamel finish

Installation:

Consists of attaching the three sensor support legs to a firm platform (see options for Pole Mount) or securing the side bracket to a stable vertical structure.

Calibration & Maintenance:

Sensor is dynamically calibrated in the factory and should not require re-calibration upon installation. Field maintenance should include occasional cleaning of the collector screen and inspection of the internal mechanism to make sure it is free from insects and debris. In some applications, user may need to occasionally verify and document sensor accuracy (see options for Field Calibration Kit).

Options:

Field Calibration Kit (#FC-525)
Pole Mounting Base Plate (#MB-525)
Rainfall Counter (RG2K-3)
Additional Cable

Warranty:

Three years



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