



## TE525WS-L

Rain Gage with 8 in. Orifice



## Conforms to National Weather Service Recommendation

### Overview

The TE525WS, manufactured by Texas Electronics, is a tipping bucket rain gage that conforms to the National Weather Service recommendation for an 8 in. funnel orifice. It measures

rainfall in 0.01 in. increments. This tipping bucket is compatible with all Campbell Scientific data loggers, and it is widely used in environmental monitoring applications.

### Benefits and Features

- › Compatible with most Campbell Scientific data loggers
- › Accuracy is  $\pm 1$  percent at rates up to 1 in./hr
- › High precision—tips at 0.01-in. increments
- › Directly compatible with the CS705 Snowfall Adapter allowing the TE525WS to measure the water content of snow
- › Conforms to the National Weather Service recommendation for an 8-inch funnel orifice
- › Compatible with the CWS900-series interfaces, allowing it to be used in a wireless sensor network

### Detailed Description

The TE525WS funnels precipitation into a bucket mechanism that tips when filled to its calibrated level. A magnet attached to the tipping mechanism actuates a switch as the bucket tips.

The momentary switch closure is counted by the pulse-counting circuitry of our data loggers.

### Specifications

Sensor Type	Tipping bucket with magnetic reed switch
Material	Anodized aluminum

Operating Temperature Range	0° to 50°C
Resolution	1 tip
Volume per Tip	8.24 ml/tip (0.28 fl. oz./tip)

Rainfall per Tip	0.254 mm (0.01 in.)
Measurement Uncertainty	1.0% up to 50 mm/h (2 in./h)
Cable Type	2-conductor shielded
Orifice Diameter	20.3 cm (8 in.)

Dimensions	21 x 21 x 26.7 cm (8.25 x 8.25 x 10.5 in.)
Cable Weight	0.1 kg (0.2 lb) per 3.05 m (10 ft) length
Tipping Bucket Weight	1.0 kg (2.2 lb)

For comprehensive details, visit: [www.campbellsci.com/te525ws-l](http://www.campbellsci.com/te525ws-l) 



Campbell Scientific, Inc. | 815 W 1800 N | Logan, UT 84321-1784 | (435) 227-9120 | [www.campbellsci.com](http://www.campbellsci.com)  
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