



TE525MM

Metric Rain Gage with 9.6 in. Orifice



Overview

The TE525MM, manufactured by Texas Electronics, is a tipping bucket rain gage that monitors rainfall in metric rather than US units. It measures in 0.1 mm increments and has a 24.5 cm

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

Benefits and Features

- › Accuracy is ± 1 percent at rates up to 1 in./hr
- › Compatible with most Campbell Scientific data loggers
- › High precision—tips at 0.1-mm increments
- › Compatible with the CWS900-series interfaces, allowing it to be used in a wireless sensor network
- › Includes a 24.5-cm funnel, which is the largest diameter funnel of the TE525-series raingages

Detailed Description

The TE525MM 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	4.73 ml/tip (0.16 fl. oz/tip)
Rainfall per Tip	0.1 mm (0.004 in.)
Measurement Uncertainty	1.0% up to 50 mm/h (2 in./h)
Cable Type	2-conductor shielded
Orifice Diameter	24.5 cm (9.66 in.)
Height	29.21 cm (11.5 in.)



Cable Weight 0.1 kg (0.2 lb) per 3.05 m (10 ft)
length

Tipping Bucket Weight 1.1 kg (2.4 lb)

