



TE525-L

Rain Gage with 6 in. Orifice



Overview

The TE525, manufactured by Texas Electronics, has a 6 in. orifice and measures rainfall in 0.01 in. increments. It is

compatible with all Campbell Scientific data loggers, and it 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 0.01-in. increments
- ▶ Compatible with the CWS900-series interfaces, allowing it to be used in a wireless sensor network

Detailed Description

The TE525 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	Accuracy	1.0% up to 50 mm/h (2 in./h)
Material	Anodized aluminum	Cable Type	2-conductor shielded
Operating Temperature Range	0° to 50°C	Orifice Diameter	15.4 cm (6.06 in.)
Resolution	1 tip	Height	24.1 cm (9.5 in.)
Volume per Tip	4.73 ml/tip (0.16 fl. oz./tip)	Cable Weight	0.1 kg (0.2 lb) per 3.05 m (10 ft) length
Rainfall per Tip	0.254 mm (0.01 in.)	Tipping Bucket Weight	0.9 kg (2.0 lb)

For comprehensive details, visit: www.campbellsci.com/te525-l

