CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

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 dataloggers, 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 dataloggers
- 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 dataloggers.

Specifications

Sensor Type	Tipping bucket/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	0.254 mm (0.01 in.)
Accuracy	1.0% up to 2 in./h (50 mm/h)
Cable Type	2-conductor shielded
Funnel Collector Diameter	15.4 cm (6.06 in.)
Height	24.1 cm (9.5 in.)
Cable Weight	0.1 kg (0.2 lb) per 3.05 m (10 ft) length
Tipping Bucket Weight	0.9 kg (2.0 lb)

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