



Designed for reliability

Based on Bureau of Meteorology
Specifications

Overview

The CS701-L is recognised as the world standard for measuring rainfall and precipitation in remote and unattended locations. With a synthetic ceramic coated brass bucket and a plastic base. The integrated syphon mechanism delivers high levels of accuracy across a broad range of rainfall intensities. It measures precipitation in 0.2

mm increments. The CS701 is ideal for locations where intense rainfall events may occur. This tipping bucket is compatible with all Campbell Scientific dataloggers, and is used in environmental monitoring applications.

Benefits and Features

- › World standard 200mm diameter catch
- › Accuracy not affected by rainfall intensity
- › Long term stable calibration
- › Minimal maintenance required
- › Used world-wide in a range of hostile environments

Mounting

The base of the gage is supported by three legs. A CM240 Leveling Base and Mount or a user-supplied baseplate with leveling capability is recommended. The CM240 may be

attached to a CM300-series mounting pole, or to a user-supplied 1.5 IPS (1.9-inch outer diameter, unthreaded) pipe. A concrete pad is recommended.



Specifications

- › Sensor Type: Tipping bucket with siphon
- › Accuracy:
 - ±2% @ 0 to 250 mm/hr;
 - ±3% @ 250 to 500 mm/hr;
- › Resolution: 0.2 mm
- › Measurement Range: 0 to 700 mm/hr
- › Temperature Range: -20° to 70°C
- › Humidity: 0 to 100%
- › Orifice Diameter: 20 cm
- › Drain Tube Size: Both filters accept 12 mm inner diameter tubing
- › Cable: Two-conductor shielded

Wind Screen

Campbell Scientific offers the 260-953 Wind Screen to help minimize the affect of wind on the rain measurements. This wind screen consists of 32 leaves that hang freely and swing as the wind moves past them.

Datalogger Considerations

Each tip of the CS701 is marked by a dual reed switch closure that is recorded by a datalogger pulse count channel.

For comprehensive details, visit: www.campbellsci.com.au/cs701-l



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