








# Precipitation Sensors

## Rain gages and snowfall adapter



Campbell Scientific offers several types of sensors to measure precipitation: tipping bucket rain gages, siphoning tipping bucket rain gages, heated rain gages, and snowfall adapters. Users often select their precipitation sensors based on the type of precipitation to be measured (rain or snow), as well as the needed orifice diameter, measurement range, and accuracy level.

		<i>Sensor Type</i>	<i>Orifice Diameter</i>	<i>Rainfall per Tip</i>	<i>Operating Temperature Range</i>
<b>RainVUE20</b> SDI-12 Precipitation Sensor with Aluminum Funnel Popular		Tipping bucket with magnetic reed switch	20.0 cm (7.87 in.)	0.254 mm (0.01 in.)	1° to 70°C
<b>RainVUE10</b> SDI-12 Precipitation Sensor with Plastic Funnel Popular		Tipping bucket with magnetic reed switch	20.0 cm (7.87 in.)	0.254 mm (0.01 in.)	1 to 70°C
<b>TE525-L</b> Rain Gage with 6 in. Orifice Popular		Tipping bucket with magnetic reed switch	15.4 cm (6.06 in.)	0.254 mm (0.01 in.)	0° to 50°C

		<i>Sensor Type</i>	<i>Orifice Diameter</i>	<i>Rainfall per Tip</i>	<i>Operating Temperature Range</i>
<b>TE525WS-L</b> Rain Gage with 8 in. Orifice		Tipping bucket with magnetic reed switch	20.3 cm (8 in.)	0.254 mm (0.01 in.)	0° to 50°C
<b>TE525MM-L</b> Metric Rain Gage with 9.6 in. Orifice		Tipping bucket with magnetic reed switch	24.5 cm (9.66 in.)	0.1 mm (0.004 in.)	0° to 50°C
<b>CS700-L</b> Rain Gage with 8 in. Orifice		Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.254 mm (0.01 in.)	0° to 70°C
<b>TB4-L</b> Rain Gage with 8 in. Orifice		Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.254 mm (0.01 in.)	0° to 70°C
<b>TB4MM-L</b> Metric Rain Gage with 8 in. Orifice		Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.2 mm (0.008 in.)	0° to 70°C
<b>CS700H-L</b> Heated Rain Gage		Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.01 in. (0.254 mm)	<ul style="list-style-type: none"> <li>➤ -40° to +70°C</li> <li>➤ -20° to +5°C (for snow sensor and heater)</li> </ul>
<b>52202-L</b> Electrically Heated Rain and Snow Gage		Tipping bucket with magnetic reed switch (normally open)	16 cm (6.3 in.)	0.1 mm (0.004 in.)	-20° to +50°C (heated)

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



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