

*Rugged, Reliable, and Ready
for any Application*



Campbell Scientific offers several types of precipitation measuring devices: tipping bucket rain gage, siphoning tipping bucket rain gage, heated rain gage, and a snowfall adapter.

Sensor selection can be determined by precipitation type (rain or snow), orifice diameter, measurement range, and accuracy.

MAJOR SPECIFICATIONS

	<i>Sensor Type</i>	<i>Orifice Diameter</i>	<i>Resolution (Rainfall per Tip)</i>	<i>Accuracy</i>	<i>Operating Temperature</i>
<p>TE525 Rain Gage Widely used in environmental monitoring applications</p> 	Tipping bucket with magnetic reed switch	15.4 cm (6.06 in.)	0.01 in. (0.254 mm)	Up to 1 in./hr: ±1% 1 to 2 in./hr: +0, -3% 2 to 3 in./hr: +0, -5%	0° to +50°C
<p>TE525WS Rain Gage 8-in. orifice meets the National Weather Service recommendations. Compatible with the CS705 snowfall adapter.</p> 	Tipping bucket with magnetic reed switch	20.3 cm (8 in.)	0.01 in. (0.254 mm)	Up to 1 in./hr: ±1% 1 to 2 in./hr: +0, -2.5% 2 to 3 in./hr: +0, -3.5%	0° to +50°C
<p>TE525MM Rain Gage Monitors rainfall in metric rather than US units</p> 	Tipping bucket with magnetic reed switch	24.5 cm (9.66 in.)	0.1 mm (0.004 in.)	Up to 10 mm/hr: ±1% 10 to 20 mm/hr: +0, -3% 20 to 30 mm/hr: +0, -5%	0° to +50°C
<p>CS700 High-End Rain Gage Rugged, accurate, and ideal for high-intensity precipitation</p> 	Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.01 in. (0.254 mm)	better than ±2% at 500 mm/hr (19.7 in./hr)	0° to 70°C



	<i>Sensor Type</i>	<i>Orifice Diameter</i>	<i>Resolution (Rainfall per Tip)</i>	<i>Accuracy</i>	<i>Operating Temperature</i>
<p>TB4 High-End Rain Gage Accurate and Ideal for high-intensity precipitation</p> 	Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.01 in. (0.254 mm)	better than $\pm 2\%$ at 500 mm/hr (19.7 in./hr)	0° to 70°C
<p>TB4MM High-End Rain Gage Monitors rainfall in metric rather than US units</p> 	Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.2 mm (0.008 in.)	better than $\pm 2\%$ at 500 mm/hr (19.7 in./hr)	0° to 70°C
<p>52202 Electrically Heated Rain and Snow Gage 200 cm² catchment area and 0.1 mm measurement resolution meet WMO recommendations</p> 	Tipping bucket with magnetic reed switch	16 cm (6.3 in.)	0.1 mm (0.004 in.)	up to 25 mm/hr: 2% up to 50 mm/hr: 3%	-20° to +50°C
<p>CS700H High-End Electrically Heated Rain and Snow Gage Rugged, accurate, and ideal for high-intensity precipitation, even in freezing conditions</p> 	Tipping bucket with siphon and dual reed switch	20 cm (7.9 in.)	0.01 in. (0.254 mm)	better than $\pm 2\%$ at 500 mm/hr (19.7 in./hr)	-40° to 70°C