

Rain Gages

Models TE525WS, TE525, TE525MM

The TE525 series tipping bucket rain gages are manufactured by Texas Electronics. Both the TE525WS and TE525 measure in 0.01 inch increments; the TE525MM measures in 0.1 mm increments. These gages funnel precipitation into a bucket mechanism that tips when filled to a 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 Campbell Scientific dataloggers.

The TE525WS and TE525 are compatible with Campbell Scientific's CS705 Snowfall Conversion Adapter which allows you to measure the water content of snow. The TE525 requires a recalibration when the CS705 is added or removed; the TE525WS does not. The TE525MM is not compatible with the CS705. For more information about the CS705, refer to the CS705 product literature.

Mounting

The gage mounts to a user-supplied threaded pole. Accurate measurements require the gages to be level.

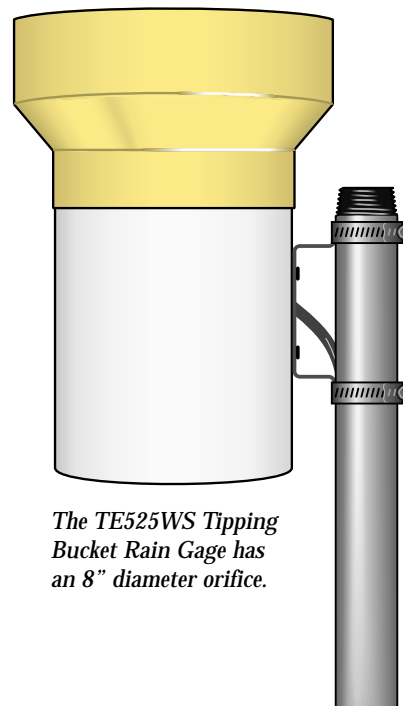
Ordering Information

TE525WS-L__ 8-inch diameter; 0.01 inch tips; user-specified lead length.* Enter lead length (in feet) after L.

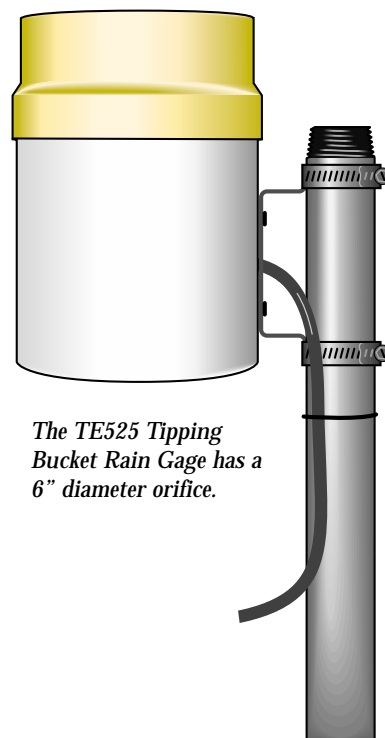
TE525-L__ 6-inch diameter; 0.01 inch tips; user-specified lead length.* Enter lead length (in feet) after L.

TE525MM-L__ 24.5 cm diameter; 0.1 mm tips; user-specified lead length.* Enter lead length (in feet) after L.

To measure frozen precipitation with the TE525WS please consider the CS705 Snowfall Conversion Adapter.



The TE525WS Tipping Bucket Rain Gage has an 8" diameter orifice.



The TE525 Tipping Bucket Rain Gage has a 6" diameter orifice.

*A 25' lead length is recommended for most applications, e.g. TE525WS-L25.



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Specifications

Sensor type: Tipping bucket/magnetic reed switch
Material: Anodized aluminum
Temperature: 0° to +50°C
Resolution: 1 tip
Cable: 2-conductor shielded cable

	<u>TE525WS</u>	<u>TE525</u>	<u>TE525MM</u>
Rainfall per tip:	0.01" (0.254 mm)	0.01" (0.254 mm)	0.004" (0.1 mm)
Orifice diameter:	8" (20.3 cm)	6.06" (15.4 cm)	9.66" (24.5 cm)
Height:	10.5" (26.7 cm)	9.5" (24.1 cm)	11.5" (29.21 cm)
Weight:	2.5 lbs. (1.1 kg)	2.5 lbs. (1.1 kg)	2.7 lbs. (1.2 kg)
Accuracy:			
Up to 1 inch/hr:	±1%	±1%	Up to 10 mm/hr: ±1%
1 to 2 inch/hr:	+0, -2.5%	+0, -3%	10 to 20 mm/hr: +0, -3%
2 to 3 inch/hr:	+0, -3.5%	+0, -5%	20 to 30 mm/hr: +0, -5%



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