

Tipping Bucket Rain Gauge

5600-0525



SPECIFICATIONS			
<i>Specifications subject to change without notice</i>			
Orifice Diameter	7.87 inches (20 cm)		
Collection Area	314 cm ²		
Switch	Rugged Magnetic Proximity Switch		
OPERATIONAL			
Output	0.1 second switch closure		
Accuracy	± 5% for rates up to 12"/hr (30.48 cm/hr) ± 0.5% at 1.25 in./hr (3.175 cm/hr.) ± 2% at 10 in./hr (25.4 cm/hr)		
SENSITIVITY/RESOLUTION			
#5600-0525-2	0.2mm/tip		
#5600-0525-5	0.5mm/tip		
#5600-0525-6	0.01 inch/tip		
DIMENSIONS			
	Device (un-packaged)	Shipping (package dim.)	
Height	19 in. (48.25 cm)	Height	28 in. (71.1 cm)
Diameter	8.25 in. (20.95 cm)	Width	16 in. (40.6 cm)
		Length	14 in. (35.6 cm)
Weight	6.4 lbs (2.9Kg)	Weight	15 lb. (6.8 kg)
ORDERING			
Part #	Description		
5600-0525-2	Rain Gauge, Tipping Bucket, Stainless Steel Outer Housing 0.2mm/tip (includes 50ft/15m cable)		
5600-0525-5	Rain Gauge, Tipping Bucket, Stainless Steel Outer Housing 0.5mm/tip (includes 50ft/15m cable)		
5600-0525-6	Rain Gauge, Tipping Bucket, Stainless Steel Outer Housing 0.01 inches/tip (includes 50ft/15m cable)		
ACCESSORIES			
6661-1137-1	Drain Kit, Tipping Bucket		
6211-1024-1	Mounting Kit, Tipping Bucket to tower		
WindScreen	Improves Precipitation Catch by Diminishing Updrafts		
Heater	for colder environments		

Tipping Bucket Mechanism



Features

- ▶ Rain enters gauge through an eight inch orifice, protected by distortion preventing aluminum ring
- ▶ Collected water passes through debris-filtering screen and is funneled into one of two tipping buckets inside the gauge.
- ▶ When a given amount of water collects, bucket tips (amount determined by calibration).
- ▶ Tipping causes magnet to pass over proximity switch, closing it momentarily.
- ▶ Second bucket positions under funnel for filling.
- ▶ After rain is measured, it exits through drain tubes with screen covered holes in the base of the gauge.
- ▶ Designed for many years of accurate, trouble-free operation
- ▶ Stainless steel outer housing
- ▶ Built in level indicator and pre-drilled feet

Applications

- ✓ Meteorological Station
- ✓ Stormwater Management