

Tipping Bucket Rain Gauge

5600-0425



SPECIFICATIONS		
<i>Subject to change without notice</i>		
Orifice Diameter	7.88 inches	
Collection Area	315 cm ²	
Switch	Rugged Magnetic Proximity Switch	
OPERATIONAL		
Output	0.1 second switch closure	
Accuracy	± 2% at 10 in. /hr (25.4 cm/hr) ± 5% for rates up to 12 in. /hr (30.48 cm/hr)	
SENSITIVITY/RESOLUTION		
5600-0425-1	0.1mm	
5600-0425-2	0.2mm	
5600-0425-3	0.3mm	
5600-0425-5	0.5mm	
5600-0425-6	0.01 inches	
DIMENSIONS (excluding connectors)		
	Device (un-packaged)	Shipping (package dim.)
Height	24 in. (61 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 lb. (2.9 Kg.)	Weight 15 lb. (6.8 kg)
ORDERING		
5600-0425-1	Rain Gauge, Stainless Steel, Tipping Bucket 0.1mm/tip (includes 50ft/15m cable)	
5600-0425-2	Rain Gauge, Stainless Steel, Tipping Bucket 0.2mm/tip (includes 50ft/15m cable)	
5600-0425-3	Rain Gauge, Stainless Steel, Tipping Bucket 0.3mm/tip (includes 50ft/15m cable)	
5600-0425-5	Rain Gauge, Stainless Steel, Tipping Bucket 0.5mm/tip (includes 50ft/15m cable)	
5600-0425-6	Rain Gauge, Stainless Steel, Tipping Bucket 0.01 inch/tip (includes 50ft/15m cable)	
ACCESSORIES		
6661-1137-1	Drain Kit, Tipping Bucket	
6211-1024-1	Mounting Kit, Tipping Bucket to tower	

Tipping Bucket Mechanism



FEATURES

Standard precision instrument for the measurement of rainfall accumulation &/ or rate

- ▶ 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
- ▶ Constructed entirely of stainless steel
- ▶ Stainless steel outer housing
- ▶ Built in level indicator and pre-drilled feet
- ▶ Low maintenance requirement

APPLICATIONS

- ✓ Meteorological Station
- ✓ Stormwater Management