

TIPPING BUCKET RAIN GAUGE 5600-0420



STANDARD PRECISION INSTRUMENT FOR THE MEASUREMENT OF RAINFALL ACCUMULATION & RATE

- Rain enters gauge through an 8 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 corrosion-resistant materials including aluminum, nickel-plated brass and stainless steel
- Epoxy coated steel outer housing
- Assembly suspended on hardened conical bearings to minimize friction.
- Built in level indicator and predrilled feet for mounting
- Optional heater assembly for extremely cold environments. Separate, flexible silicon rubber heaters with wire wound elements for tube and funnel thermostatically controlled to turn on at 40°F and turn off at 55°F



APPLICATIONS

- Meteorological station
- Stormwater management

SPECIFICATIONS

Specifications subject to change without notice

Electrical	
Heater	120VAC 350 Watt (Tube) 120VAC 150 Watt (Funnel)
Mechanical	
Orifice Size	8.214 in. Diameter (208mm)
Dimensions	8.25 in. Dia. x 16.875 in. H (210mm x 429mm)
Weight	6.4 lbs (2.9Kg)
Switch	Rugged magnetic proximity switch
Operational	
Output	0.1 second switch closure
Sensitivity	
Model 0420-1:	1 tip/0.01 in. (0.25mm)
Model 0420-2:	1 tip/0.2mm (0.008 in.) Resolution
Model 0420-1:	0.01 in. (0.25mm)
Model 0420-2:	0.2mm (0.008 in.)
Accuracy	±0.5% at 0.5 in./hr ±2% at 2 in./hr

ORDERING

5600-0420-1	Rain Gauge, Tipping Bucket (inches)
56411-1017-4	Cable Assy., Tipping Bucket, 18 ft for 8200A/8210
Accessories	
6661-1137-1	Drain Kit, Tipping Bucket
2911-1196-1	Mounting Kit, Tipping Bucket to Tower