

FTS RAIN GAUGE (RG-T)



The rugged, all-metal RG-T rain gauge is FTS' take on a simple, proven, mature technology. It has earned tremendous loyalty over several years for its extreme accuracy, excellent calibration retention and super simple deployment that ensures success—customers especially appreciate the fact that unlike many tipping buckets available, it doesn't rust.

Extremely simple

- Screens in the funnel and over the base plate water outlets seal the tipping mechanism completely from insects and wind-borne material
- Built-in bubble levels and full 2-axis leveling mechanism, make it quick and easy to mount the tipping bucket perfectly level on any surface (even a vertical pole)
- Employs a tool-less design that utilizes “bicycle-style” quick-release clamps

Unmatched durability

- Metal construction provides rugged durability
- Cable sheathed in braided stainless steel, to protect it from animal damage
- Cable terminates in a waterproof, military-style bayonet connector for use with Axiom dataloggers (optionally available without military connector for use with other dataloggers)

Long-term accuracy and calibration retention



- The tipping mechanism is injection moulded engineered resin, resulting in extreme accuracy
- Inner surface of tipper is super-smooth with no corners so it sheds water better than metal tippers and doesn't allow dust or small debris to collect
- Jeweled (ruby) bearings mean no friction, no resistance to tipping resulting in high sensitivity to accurately capture even very small rain events and long-term calibration retention
- The base and support posts are precision cast as a single structure, providing maximum vibration resistance. False measurements from wind are eliminated, ensuring long-term repeatable accuracy
- Stainless steel quick-release clamps eliminate retaining screws that can rust and affect accuracy

Technical Specifications

Type:	Tipping bucket
Resolution:	0.01" per tip (0.254 mm) (optional calibration to 0.2 mm)
Accuracy:	±2% at 2" per hour (50 mm)
Cylinder dimensions:	10.5" x 8" diameter (257 mm x 203 mm)
Materials:	Aluminum and stainless steel, engineered resin tipping mechanism
Operating temperature range:	0°C to +60°C
Operating humidity range:	5% to 100%
Cable:	20 ft. (6 m) metal-clad armoured
Weight:	5.3lbs (2.4kg)
Options:	Available with Tri-leg tower mount and portable RAWS mounting (base plate) options. Optional calibration of resolution to 0.2mm available.