

# TB6

## Standard Tipping Bucket Rain Gauge

The TB6 combines professional grade features and economic construction to provide high quality rainfall measurement at an affordable cost.

Reliable rainfall measurements are a critical component in the design and evaluation of sewer systems. Rainfall characteristics vary widely, as do rainfall monitoring needs. ADS® offers a full-line of tipping bucket rain gauges to meet these needs using a technically-based, flexible, and cost-conscious approach.

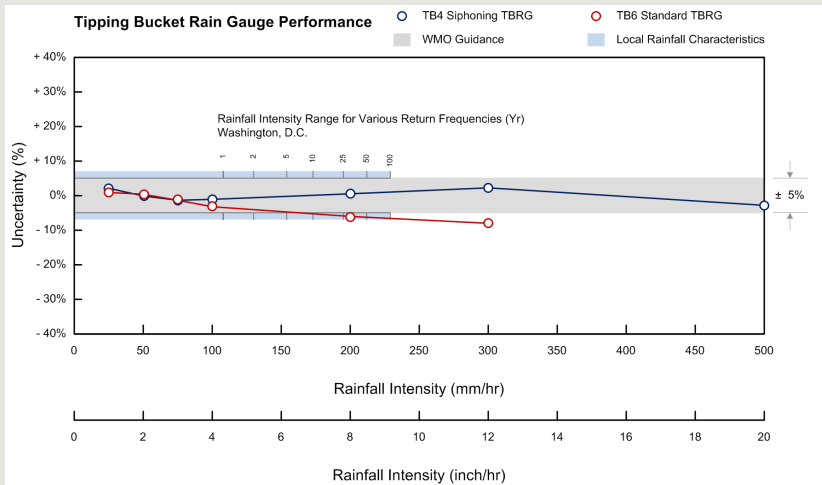
### TB6 Features

- Durable, rugged design
- Finger filter keeps debris from plugging the funnel
- Integrated insect screens keep spiders and insects out
- 0.01 inch/tip or 0.2 mm/tip
- Long-term, stable calibration
- Easy to install and maintain
- ISO-9001



### Application

The TB6 is specially calibrated to achieve a high level of accuracy at lower rainfall intensities. Proper application depends on local rainfall characteristics and rainfall return frequencies of interest. For higher accuracy at higher rainfall intensities, ADS recommends the TB4 siphoning TBRG.



Each TB6 unit consists of an outer enclosure with rim, funnel, and finger filter, as well as a base which houses the tipping bucket mechanism. The outer enclosure is easily removed from the base with quick release fasteners.



# TB6 Standard Tipping Bucket Rain Gauge

**HARDWARE**



## TB6 Product Specifications

- Type:** Standard TBRG
- Receiver:** 8-inch nominal diameter  
(200 mm ± 0.3 mm)  
Die-cast aluminum, powder-coated
- Enclosure:** Removable for easy access to interior  
Spun aluminum, powder-coated
- Finger Filter:** Non-hygroscopic, injection-molded ABS  
Stainless steel mesh screen
- Bucket:** Chrome-plated, injection-molded ABS  
Balanced to 0.05 g  
0.01 inch/tip (United States)  
0.2 mm/tip (International)
- Bearings:** Double stainless steel roller bearings  
Stainless steel shaft
- Accuracy:** <math>\pm 1\%</math> up to 2 in/hr (50 mm/hr)  
 $\pm 1\%$  up to 3 in/hr (75 mm/hr)  
 $\pm 3\%$  up to 4 in/hr (100 mm/hr)
- Max Intensity:** 28 in/hr (700 mm/hr)
- Contacts:** Dual reed switch  
Potted in soft silicon rubber  
Varistor protection  
24 V (0.5 A) max capacity  
0.1  $\Omega$  initial contact resistance
- Base:** Non-hygroscopic, injection-molded ABS  
Stainless steel mesh insect screens  
Drain fittings  
Bulls-eye bubble level
- Humidity:** 0% to 100%
- Temperature:** Not suitable for frozen precipitation  
Heater unit not available for this model
- Height:** 12.25 in (310 mm)
- Weight:** 4.4 lbs (2 kg)
- Shipping:** 8.8 lb / 1.1 ft<sup>3</sup> (4 kg / 0.03 m<sup>3</sup>)

## Integrates w/ RainAlert III Rainfall Monitor



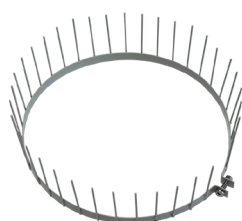
The ADS RainAlert III™ is a low-cost, wireless rainfall monitor that can alert via text or email messages when rainfall intensity exceeds a specified threshold. The technology is designed for ultra-low power consumption, yielding a battery life up to six years, depending on configuration. The RainAlert III provides intelligent alarming and data acquisition for use in precipitation analysis, sewer flow monitoring studies, overflow prevention programs, sewer capacity studies, master plan studies, and more.

## Accessories

Sun Shield



Bird Guard



Field Calibration Device



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