

Model 5454 Satellite Rain Station

General Description

HydroLynx Satellite Rain Stations are complete packaged gauges which transmit precipitation data via low earth orbiting satellites. The Model 5454 Satellite Rain Station includes a Model 5050P Tipping Bucket to measure precipitation.

Data transmitted from a remote station normally arrives at the ALERT base station within one minute but on occasion may take up to ten minutes. This path provides data on a time scale that is not matched by the GOES satellites which often have latencies of one hour or more.

Both fixed interval and event data reporting are supported. A programmable fixed reporting interval is configurable from 5 minutes to 24 hours. Rainfall accumulator and battery voltage are transmitted for all fixed interval or event reports.

Event reporting of precipitation is started whenever the bucket tips. A timer is started that transmits one minute rainfall accumulations every five minutes until the rainfall stops.

Specifications

Height: 12 ft. including rain gauge top section
 Diameter: 12 in.
 Weight: 70 lbs.
 Shipping weight: 80 lbs.

Ordering Information

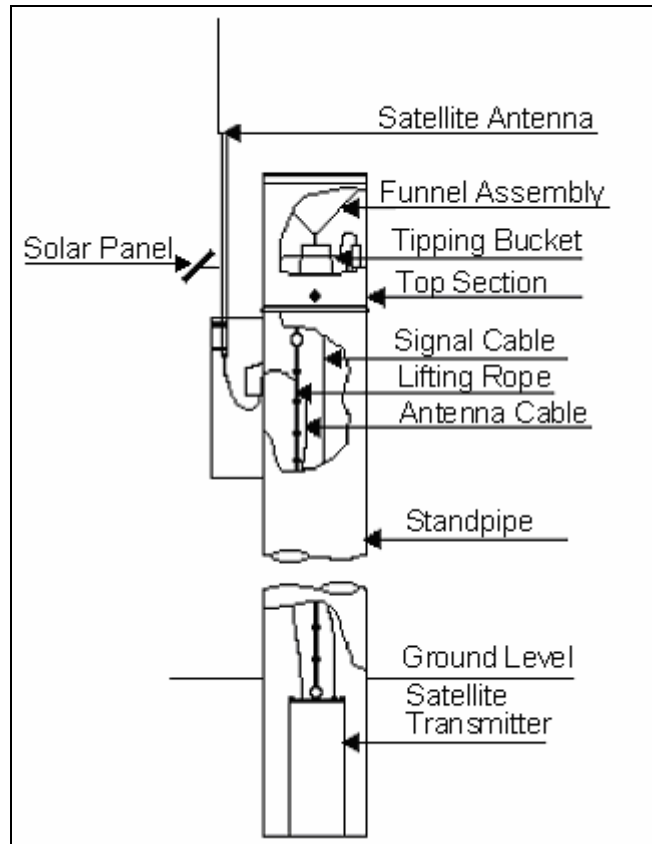
- 5454.....Satellite Rain Station
- 5454SA Standpipe Assembly
- 5054SO Standpipe
- 5054AM Antenna Mast
- 5400-ANT Satellite Omni Antenna, 2.4 dB
- 5054C-RG8 Antenna Cable with connectors
- 5054TS Rain Gauge Top Section includes Model 5050P Tipping Bucket Assembly, Funnel and Screen
- 5054LR Lifting Rope
- 5400-54 Satellite Transmitter in Round Canister
- Satellite Radio
- 5031-18 Gel Cell Battery, 18 AH, 12 Vdc
- 5033-0.3B Solar Panel, Regulator, Mounting Bracket

Options

- 5054D.....Access Door for Standpipe
- 5050LA.....Antenna Lightning Protection
- 5054SG.....Standpipe Ground Kit
- 5400RS232.....7 pin MS Male Bulkhead Connector



Rain Station, Panama Canal



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