

## Model 5490 Satellite Water Level Station

### General Description

HydroLynx Satellite Water Level Stations are complete packaged gauges which transmit precipitation and water level data via low earth orbiting satellites. The Model 5490 Satellite Water Level Station includes a Model 5050P Tipping Bucket to measure precipitation and a Model 5050LL-PTD Pressure Transducer to measure water level.

Water Level event reporting is initiated when the water level changes by an amount, programmable over the range from 0.1 to 2.0 feet. The sensor sample interval is programmable over the range from 5 minutes to 1 hour. Data from all sensors are included in the Event-Based Water Level transmission.

Slope and Offset variables are included in the field accessible configuration to convert raw water level sensor data into Engineering Units (feet, meters, etc).

### Specifications

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

### Ordering Information

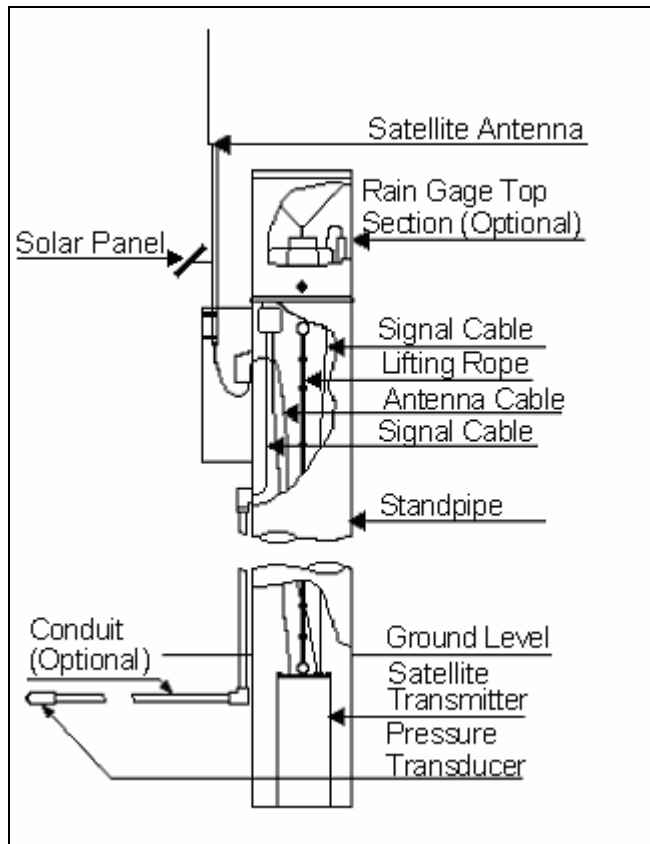
- 5490..... Satellite Water Level Station
- 5490SA Standpipe Assembly
- 5090SO Standpipe
- 5090SC Standpipe Cover
- 5090AM Antenna Mast
- 5400-ANT Satellite Omni Antenna, 2.4 dB
- 5090C-RG8 Antenna Cable with connectors
- 5090LR Lifting Rope
- 5090LB 1 in. Conduit Elbow Box
- 5400-90 Satellite Transmitter in Round Canister
- Satellite Radio
- 5031-18 Gel Cell Battery, 18 AH, 12 Vdc
- 5033-0.3B Solar Panel, Regulator, Mounting Bracket
- 5050LL-PTD Pressure Transducer, 40 ft. Vented cable, Specify Range
- 5490/5054TS..... Satellite Water Level Station with Rain Gauge Top Section (Same as Model 5490 except 5090SC Standpipe Cover is replaced by 5054TS Rain Gauge Top Section)

### Options

- 5090D..... Access Door for Standpipe
- 5050LA..... Antenna Lightning Protection
- 5054SG..... Standpipe Ground Kit
- 5054TS..... Rain Gauge Top Section includes Model 5050P Tipping Bucket Assembly, Funnel and Screen
- 5050LL-PTD-C..... Additional Cable for Pressure Transducer
- 5400RS232..... 7 pin MS Male Bulkhead Connector



Water Level Station, Maricopa County



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