



Tipping Bucket / Rain Gauge

S1072W / S1072Z

- 8" WMO standard
- Corrosion resistant construction
 - Adjustable calibration stops
 - Jewel bearings
 - +/- 1% accuracy

This sensor is the WMO (World Meteorological Organization) standard 8" orifice. It consists of a spun aluminum collector funnel with a knife edge that diverts the water to a tipping bucket mechanism. The mechanism is so designed that one alternate tip of the bucket occurs for each 0.01 inch of rainfall. Connecting the sensor to the ZENO[®] 3200 data logger, or to the WEATHERPAK[®], will allow record keeping of accumulated rainfall.



The spent water drains out of the bottom of the housing, so the sensor requires no attention or servicing of any kind. The PVC housing is sealed with paint to withstand years of exposure to the environment. This sensor is factory calibrated, and due to the nature of its operation, should not require field calibration. Occasional cleaning of debris from the filter screen may be required.



Technical Specifications

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Resolution:	0.01" (0.25 mm)
Accuracy:	+/- 1%
Switch:	Magnetic Reed (0.6 ms)

PHYSICAL

Overall Height:	13.625" x 10" (34.06 cm x 25 cm)
Orifice Diameter:	8" (ID) (20.32 cm)
Weight:	12 lbs (5.4 kg)