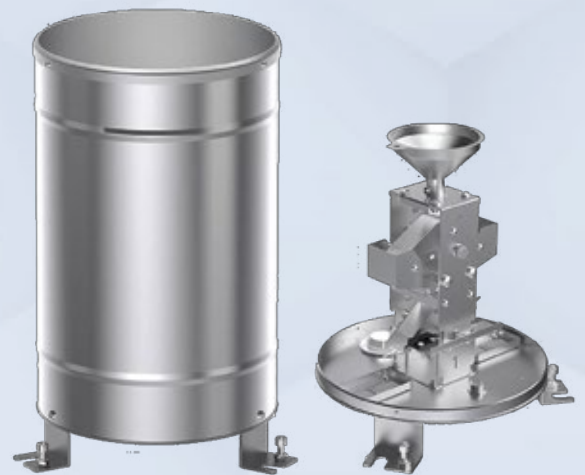




RAIN GAUGE SENSOR SIPHON CONTROL MECHANISM WITH DUAL SWITCHTIPPING BUCKET

MODEL NO: HS-RF010



ADVANTAGES:-



Protection Shield Included



High Accuracy



Fast & Simple to Install



HEYSENSE Remote Setup Service

OVERVIEW

The Digital Rain Sensor is a high-precision dual-tipping bucket rain gauge designed to measure rainfall, rain intensity and duration, complying with the National Standard GB/T21978.2-2014. The core components consist of a rain receiver assembly and a measurement unit. The measurement unit employs two sets of tipping bucket mechanisms, achieving a resolution of 0.1mm. It outputs standard RS-485 Modbus-RTU digital signals, facilitating seamless integration and versatile applications. This instrument is widely used in meteorology, hydrology, photovoltaic systems, agriculture, forestry, highways, aviation, and other research and application fields.

FEATURES

- Dual-tipping bucket design – Precision-engineered for high accuracy, excellent stability, and a measurement resolution of 0.1mm.
- Smooth rain collector – Formed by integral stamping and drawing, minimizing errors caused by water retention.
- Durable 304 stainless steel body – Ensures long life and reliable performance.



Specifications	
Measuring principle	Dual-tipping bucket
Diameter	200mm
Measurement Range	0 ~240mm/h
Accuracy	±1%(≤50mm/h), ±3%(>50mm/h)
Connections	RS485 Modbus
Power supply & consumption	DC 8-24V@<0.2W
Operation environment	0°C~+70°C, 0~100%RS
Shell material	304 stainless steel
Dimensions	370mm(H)×210mm(Φ), ~2.3kg(±0.05kg)

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