



TECOTEC
Technology

AUTOMATIC TIPPING BUCKET RAIN GAUGE

Instrumental grate rain gauge for meteorology applications

Designed in accordance to Vietnam Quality Standard and WMO Guidelines.

Overview

The automatic tipping bucket rain gauge is designed in accordance with the guidelines of the International Meteorological Organization - WMO. With its sturdy design, the rain gauge can withstand the diverse and extreme weather in Vietnam. 01 station includes measuring cup, bucket and data-logger system to store and transmit data automatically to cloud data storage service.

Features

WMO-compliant design and installation process

- Diameter of catcher 200mm (8 inch)
- Diameter of steel column > 60mm
- Stainless steel case



High accuracy

- Bucket calibration capability (Nivo balance is located inside the calibration base)
- Resolution 0, 2mm.
- Error meeting Vietnam Guideline Circular 70/2015 / TT-BTNMT: Technical regulation for the operation of Automatic Hydrometeorology stations.

Online data update rate

- Cloud computing system ensures continuity of data from rain sensor.

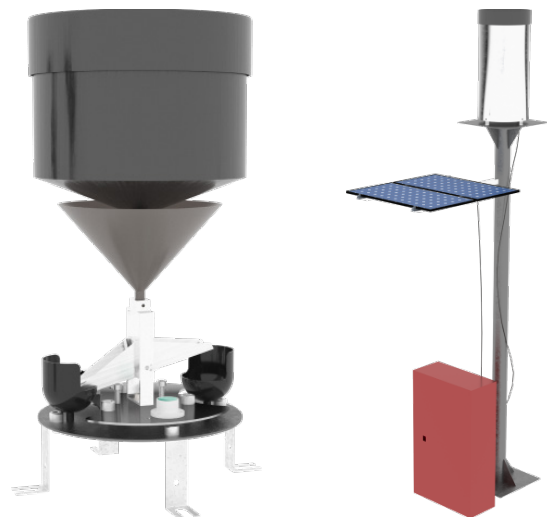
Solar battery usage

- Solar power supply option can power the rain gauge station without the need for grid electricity. In low / no sun condition the station can be operational for up to for upto 3 months.



Specification

Outer shell material	Stainless steel 304
Resolution	0,2 mm
Accuracy	0.4mm at rainfall \leq 10mm/h <4% when rainfall > 10mm / h
Spool diameter	200mm (WMO Guideline No. 8)
Insole material	Stainless steel 304
Sensor	Magnetic field sensor
Source	Solar battery 35 W
Operation	Mechanism Flip bucket
Working temperature	-10 ~ 65°C
Working humidity	0 - 100%



Application



Rainfall data monitoring



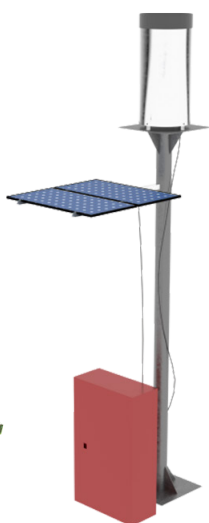
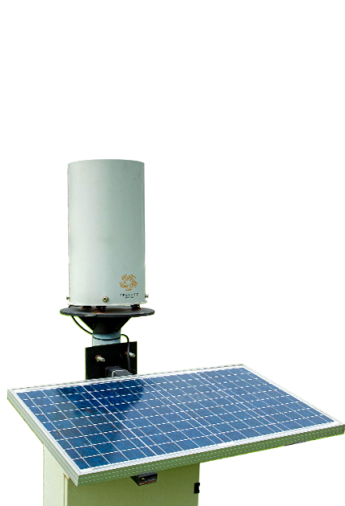
Disaster forecasting



Environmental research



Agriculture 4.0



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