

Rain Guage

Overview

The MBMet-200 Series of Rain Gauge is a self-emptying, high accuracy sensor designed for accurate and reliable measurement of Rainfall. It's rugged design makes it ideal for use in applications such as Weather Monitoring, Irrigation Control, Flood Detection, Research, and others where precise Rainfall data is needed.

Benefits and Features:

- **Self- Emptying mechanism**
- **High Sensitivity: Detects low Drizzles easily.**
- **Quick Response time: Provides instant Data.**
- **Easy Maintenance and Cleaning**
- **Easy Installation**
- **Simple and Reliable.**
- **Built-in Clock (In RS-485 Output Model)**



Technical Specifications

Model/Parameter	MBMet – 200A	MBMet – 200B
Measurement Principle	Tipping Bucket	
Rain Orifice Area	200 cm ²	
Measurement Range	0 – 480 mm / hr	
Accuracy	+/- 2%	
Resolution	0.2 mm	
Stability	< 0.0125 mm per year	
Operating Temperature	-40C to 80C	
Input Voltage	-	12 – 24 VDC (Only for RS-485 Output Model)

General Specifications

Parameter	Specification
Rain Orifice Area	200 cm ²
Dimensions	20 cm height
Cable Length	3 meters (Standard)
Weight	700g

Ordering String

Model	Series	Output	
MBMet	200	A	Pulse Output
	200	B	RS-485 Modbus Output

Meteorological Sensors and Dataloggers

- Weather Monitoring Stations for Solar Plants
- Weather/ Meteorological Stations for Research
- Wind Resource Assessment Stations
- Solar Irradiation Sensors MBMet-500 Series
- Soiling Monitoring Stations MBMet-700 Series
- PV Module Temperature Sensors MBMet-800 Series
- Air Temperature, Relative Humidity, Barometric Pressure, Air Density Sensors MBMet-901 Series
- Radiation Shields MBMet-702 Series
- Indoor Air Temperature & Relative Humidity Sensors MBMet-902 Series
- PT-100 / 1000 and Milivolt to Modbus RTU over RS-485 Converters
- Digital/ Pulse and Voltage to Mod bus RTU over RS-485 Converters
- Economical Dataloggers MBLogger Nano Series
- Industrial Grade Dataloggers MBLogger 1000 Series

Metering Solutions

- Multifunction Energy Meters Satec PM130EH Plus
- IEC-61850 Energy Meters Satec PM335 Pro
- Power Quality Meters and Analyzers Satec PM180
- Customisable Energy Monitoring Solutions

PLC/ RTU and Software Solutions

- Solar Plant SCADA Solutions
- Meteorological Station SCADA and Monitoring Solutions
- RTU Systems
- Load Dispatch Center Interface Solutions

Our extensive lineup of "MBMet" Sensors forms the cornerstone of advanced Weather Monitoring. With unwavering accuracy and cutting-edge technology, these sensors empower industries such as solar, meteorology, and agriculture to make informed decisions. From Solar Irradiation to Atmospheric Data, each sensor offers precise insights crucial for optimizing performance, enhancing safety, and ensuring efficiency in the face of ever-changing weather conditions

SEE ALSO

MBMet 800 Series PV Module Temperature Sensors

MBMet 902 Humidity and Temperature Transmitter

MBLogger Nano and 1000 Series Dataloggers

PM130 Series Multifunction meters

PM180 Series Power Quality meter

