

Rain Gauge



The Rain Gauge is part of the SEVEN meteorological sensor range, which includes professional and intelligent measuring sensors with a digital interface for environmental and industrial applications such as PV plants.

It is designed to accurately measure the rainfall with a collection area of 200 cm² using the reed relay with the principle of tipping buckets.

The measured rainfall data is transmitted to the data loggers and receiver units as pulse signals or via a 2-wire RS485 bus with Modbus RTU protocol, depending on the input requirements.

SEVEN products use reliable and high-quality components to provide accurate meteorological information in environmental and industrial applications.

They are specially designed according to the requirements of PV plant monitoring systems.

Benefits and Features

- High Accuracy
- Fast & Simple to Install
- Wide Applications Areas
- Built-in Bubble Level
- Low Power Consumption
- Free Software Update
- SunSpec Compliant (for Modbus RTU)
- SEVEN Remote Setup Service
- SEVEN Customer Support
- 2 Years Warranty

Models

3S-RG-PLS

Economical Rain Gauge with reed relay output. They are ideal measurement transmitters with the best price/performance ratio for the standard requirements of industrial and environmental applications such as PV plants. The housings are made of seawater resistant anodized aluminum, making the extremely durable and resistant. It can be connected to SEVEN Compact Weather Station or Sensor Box models, as well as data loggers and other receiver units.



3S-RG-MB

3-RG-MB Rain Gauges specially designed for advanced industrial applications and environmental conditions. They are professional and intelligent measuring sensors with a digital interface for environmental and industrial applications such as PV plants. The measured value can be transmitted to monitoring instruments, data loggers and other receiving units via the serial RS485 interface with MODBUS RTU protocol.

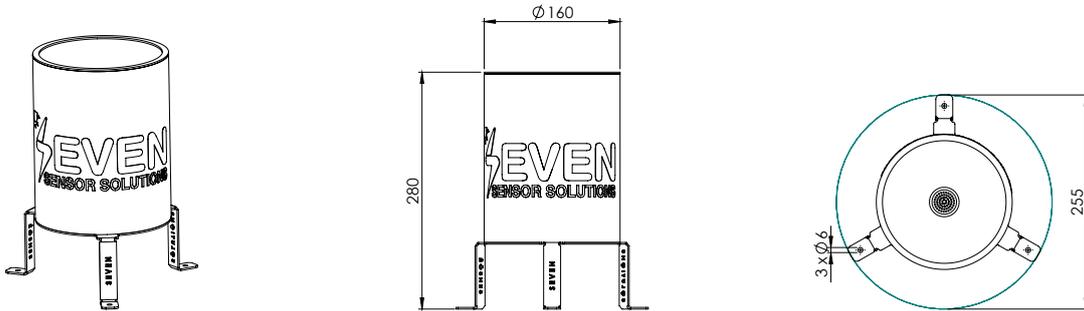


Technical Specifications

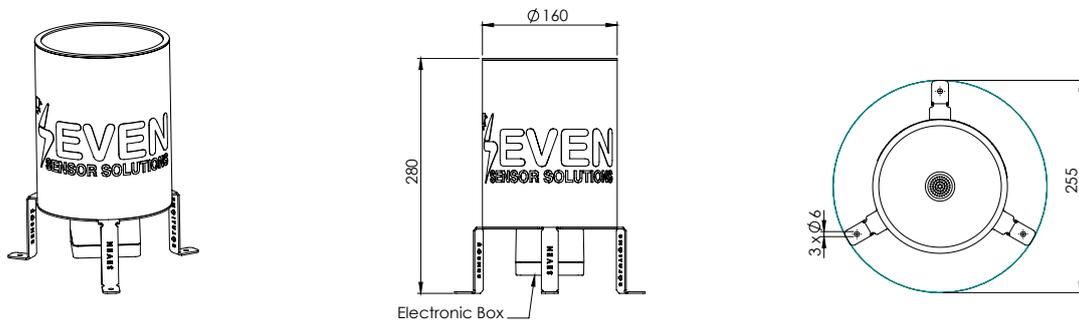
	3S-RG-MB	3S-RG-PLS
Sensor Type	Tipping Bucket Rain Gauge	
Measuring Range	600 mm/h	
Accuracy	± 2%	
Resolution	0.1mm	
Collecting Area	200 cm ²	
Data Output	RS485 up to 38400 Baud	Reed Relay
Communication Protocol	Modbus RTU	-
Power Supply	12 to 30 V DC	-
Power Consumption	35 mA @ 24 V DC	-
Electrical Connection	3 m LIYYC11Y Cable, UV and Weather Resistant	3 m LIYY Cable, UV and Weather Resistant
Operating Temperature Range	0°C to +85°C	
Dimensions	Ø 160 x 280 mm	
Weight	1,5 kg	
IP Rating	IP 65	
Housing Material	Anodized Aluminum	
Origin	TÜRKİYE	

Technical Drawings

Technical Drawing of 3S-RG-PLS



Technical Drawing of 3S-RG-MB



Note: All dimensions are in mm.