



# Weather Monitoring Rain Gauge

## TRACK RAIN ANYWHERE

Obscape's **Rain Gauge** provides real-time rainfall measurements with a fully wireless design. Designed for durability and adaptability, this rain gauge is suited for deployment in both urban and remote environments.

A network of Rain Gauges offers critical insights into water system dynamics, helping to track rainfall variability over time and across different locations. Understanding rainfall patterns is essential for managing water resources and responding to extreme weather events. Obscape's **Rain Gauge** ensures you receive up-to-date rainfall data wherever it's needed, making it a vital tool for hydrological studies and disaster preparedness.

### KEY FEATURES

- 01 Comprehensive Data:** Accurate rainfall intensity data from industry-standard rain collector
- 02 Reliable Connectivity:** Data transfer via cellular networks ensures seamless access
- 03 Compact & Robust Design:** Durable, weatherproof housing built for tough conditions
- 04 Easy Deployment:** Lightweight and multiple mounting options for flexible setup
- 05 Integrated Data Portal:** User-friendly portal for efficient data management and analysis



### PURCHASE INCLUDES

- Free access to the **Obscape Data Portal**
- Mounting brackets
- SD card - can also be run in offline mode

#### Optional:

- 1) Satcom upgrade** for continuous connectivity beyond cellular range
- 2) Cellular global SIM** - Includes €100 of data credit

# RAIN GAUGE TECHNICAL SPECIFICATIONS

## SPECS

HOUSING SIZE	195 mm height x 87 mm width x 87 mm depth
HOUSING WEIGHT	2 kg
PRIMARY POWER SOURCE	Solar-powered, 3 Watt
CONNECTIVITY	Cellular (4G with 2G fallback)
REAL-TIME DATA INTERVAL	5 minutes - 24 hours (User selectable)
BATTERY TYPE	1 x 18650 Lithium-ion battery
NOMINAL VOLTAGE	3.7 V

## PARAMETERS

SAMPLE INTERVAL	5 minutes
PARAMETERS	5-minute rainfall intensity, individual bucket tip times
RESOLUTION	0.2 mm (Equal to 1 bucket tip)
TELEMETRY DATA QUEUE	In the event of temporary connection outages, a data queue ensures data is sent
DIAGNOSTIC PARAMETERS	Battery voltage, signal strength, solar panel voltage, internal temperature



## SENSOR

SENSOR TYPE	Davis 6465M
RAIN COLLECTOR SIZE	222 mm diameter / 240 mm height

## DEPLOYMENT

ENVIRONMENT	Deployment on land based unsheltered platforms only. Enough exposure to rainfall is required
-------------	--

## DATA STORAGE

 <b>CLOUD STORAGE</b>	Free access to the <b>Obscape Data Portal</b> for real-time and historical data, sensor configuration, alerts
 <b>ON-BOARD SD CARD</b>	Data stored to the on-board SD card as a backup - or for cases where data connection is absent

## DATA OUTPUT

✓ Rainfall intensity

## OPTIONAL SATCOM UPGRADE



Image may vary from actual product



## SATCOM SPECS

ANTENNA SIZE	Height 74.2mm / Diameter 66.5mm
NETWORK	Iridium
DATA LOAD	1 satellite credit per message
MONTHLY COST	Line rental and SATCOM credits

Satellite subscription services and credits available on request

## DATA ACCESS

### SEAMLESSLY CONNECT FIELD DATA & OFFICE OPERATIONS

- 01 Real-time data:** Rainfall parameters
- 02 Download:** CSV file, graphs, PDF report
- 03 Forwarding:** JSON API or HTTP post
- 04 Notifications:** Online/offline, battery level, parameter threshold exceedance

## CONTACT US

E-mail: [info@obscape.com](mailto:info@obscape.com)

Website: [www.obscape.com](http://www.obscape.com)

**WWW.OBSCAPE.COM**

Kluyverweg 1, 2629HS Delft, The Netherlands | [info@obscape.com](mailto:info@obscape.com)