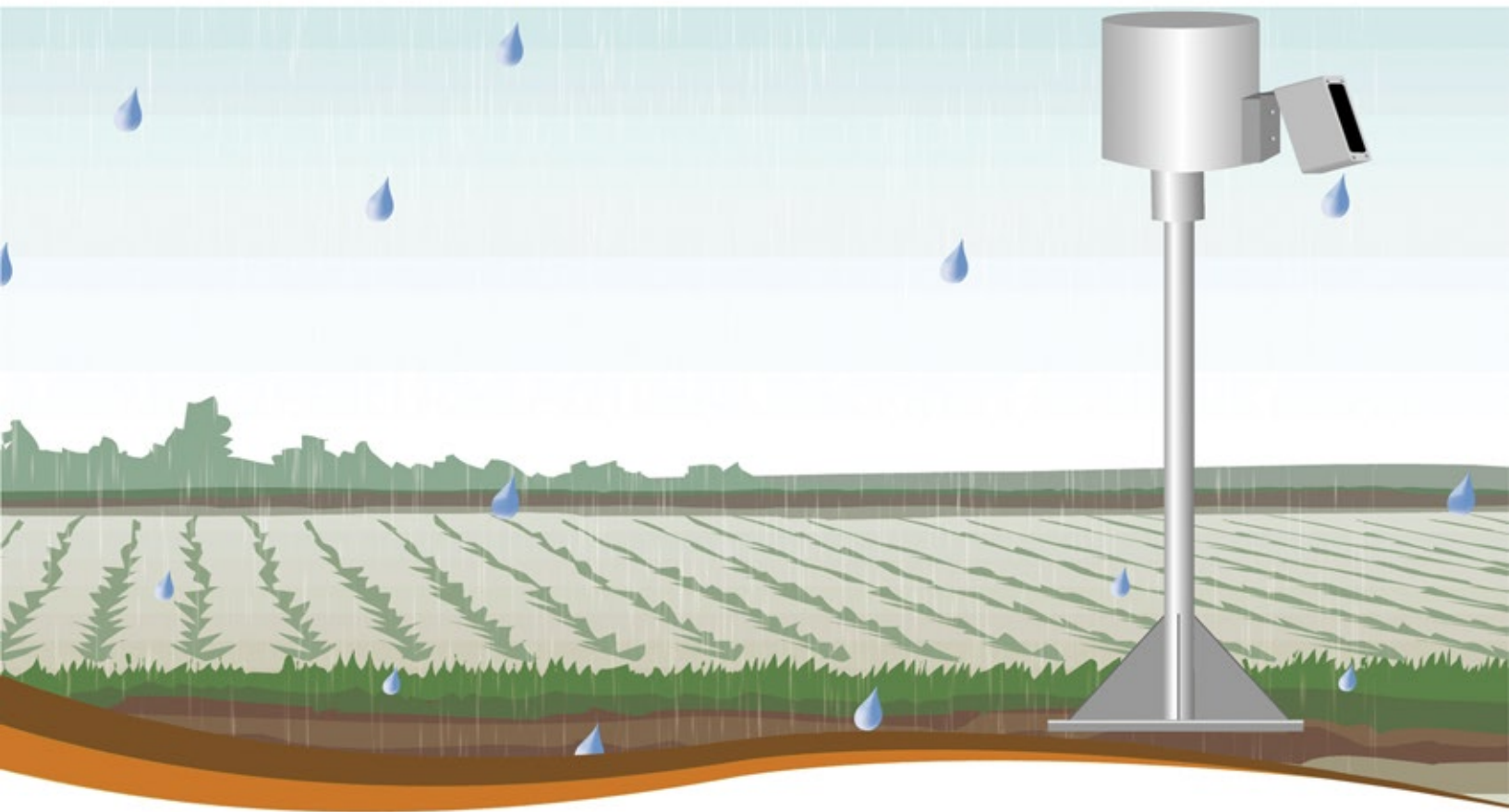




Professional Weather Station CaipoRain



CaipoRain® is the smallest and most cost-effective solar powered precipitation and soil moisture monitoring system.

Rain, air temperature, relative humidity, soil moisture and soil temperature data from your field on any internet enabled device in real time.

No software, no configuration, no cables. Install sensors, insert SIM card and start receiving data.

Adjustable warnings via SMS or Email.





Professional Weather Station CaipoRain

Advantages of CaipoRain

State of the Art Technology

Only latest developments in wired/wireless measurements and data transfer technologies.

High Accuracy

Best in class rain gauge delivers high accuracy, reliability and long term stability with minimal maintenance.

Wide Range of Sensors

CaipoRain supports many different sensors out of the box.

Warnings

CaipoRain sends warning via SMS or email when rain intensity reaches user defined value. Warning thresholds are adjustable via web interface.

Data Transfer to Central Web Platform

CaipoRain transfers data directly to Caipos web server or to customer's web server. Transfer interval is adjustable. Data can be sent to 4 servers configurable by user via web interface.

Soil Moisture Calibration

User defined calibration equations can be set for all volumetric soil moisture sensors via web interface.

Ultra-Low Power Consumption

CaipoRain has very low power consumption and can operate in shadow or cloudy weather for more than 3 months.

Reliability

CaipoRain can operate under harsh weather and in difficult environmental conditions.

Low Cost

Small form factor, low power consumption and minimal maintenance make CaipoRain one of the most cost-effective solutions.

Easy and Fast Installation

CaipoRain is delivered fully configured and ready to use. Customer only needs to install sensors and insert a SIM card.

Web Application

Free of charge cloud web application shows real time data in graphical and tabular form and allows remote configuration of all parameters. Works with all desktop and mobile internet enabled devices.



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Sensors Options for CaipoRain



Soil Moisture Z100



Soil Temperature



Leaf Wetness



Air Temp. & Rel. Humidity



Soil Moisture EC5



Soil Moisture 10HS



Solar Radiation



Air Pressure



CO2 Sensor



Wind Sensor



PR2/4 Soil Moisture Probe



3 x Watermarks



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Technical Data

Dimensions of Main Unit	90x60x30mm
Battery	3.6V 2AH NiHM
Solar Panel	80x50x3.2 mm, 0.5W
Power Consumption	20 uA
Flash Memory	4MB (8 years of data)
Communication	GSM/GPRS, USB
Logging Interval	1 minute - 2 hours
Data Transfer Interval	1 hour - 10 minutes
Operating Temperature	-10°C - +50 °C
Protection Class	IP65
Operation without Sun	more than 3 months
Lighting Protection	built in protection
Interfaces	5 x analog, rain gauge, wind speed
Build in Sensors	air pressure, temperature

