

# OMRON

## Weather Sensor

Fast and Easy Way to Collect Weather Data!

### Sensors



Wind  
Direction



Wind  
Velocity



Rainfall



Temperature



Humidity



Barometric  
Pressure



Light

**All Included!**



### Our Vision

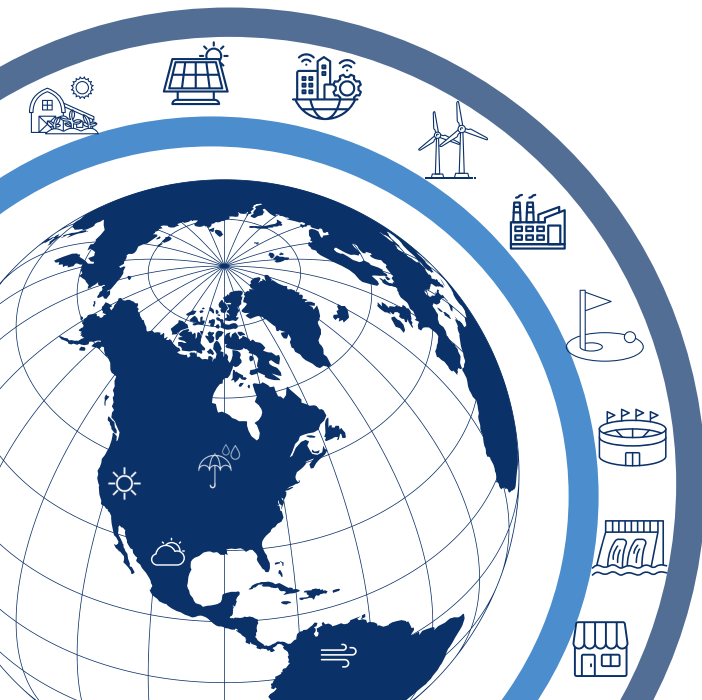
**LPWAN or RS-232C**

### Our Vision

Due to changes in weather patterns, we are seeing increased occurrences of natural disasters and extreme weather.

As we experience an increased need for spot weather sensing, there is also an increased need for a device that is easy to install and maintain.

OMRON is looking to solve these issues with the new weather station.



*Realize a Resilient Society  
by Solving the Climate Change Issue with Spot Weather Data*

# Solution Examples

## Agriculture

Notice optimal timing

▶ Increase yield & reduce burden



## Smart City

Forecast weather

▶ Send alert to residents



## Energy Infrastructure

Estimate supply input

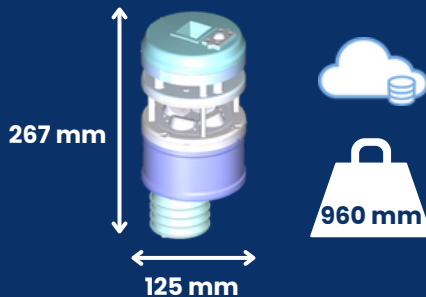
▶ Efficient power generation



# Product Features

## 1 Easy to Install

All sensing components contained within singular package. Wireless sensor simplifies installation in outdoor applications



## 2 Easy to Maintain

Reduce the need for regular cleaning. No moving parts reduces the risk of products malfunctioning and breaking.



## 3 Low Operation Cost

LPWAN reduce running costs.



# Specifications

Specification	
Voltage	DC 5 ~ 12V *Battery or AC adaptor must be prepared by customer.
Temperature	-20 ~ 50 °C (± 1°C)
Humidity	0 ~ 100% RH (± 5%)
Light	0 ~ 150,000 lux (± 25%)
Wind Velocity	0 ~ 50 m/s (~5m/s ± 1m/s, 5m/s~ ± 30%)
Wind Direction	0.1 ~ 360 deg (±15 deg)
Absolute Pressure	600 ~ 1100 hPa (± 1 hPa)
Rainfall	0 ~ 50 mm/h (~10mm/h ± 2mm/h, 10mm/h~ ± 20%)
Communication	LPWAN or RS-232C

\*: Specifications and structures may be changed without prior notice.

## CONTACT

Cary Horan  
Business Development Manager  
cary.horan@omron.com

Omron Electronic Components LLC  
2895 Greenspoint Parkway Suite 100  
Hoffman Estates, IL 60169