ARATAS

Weather Sensor

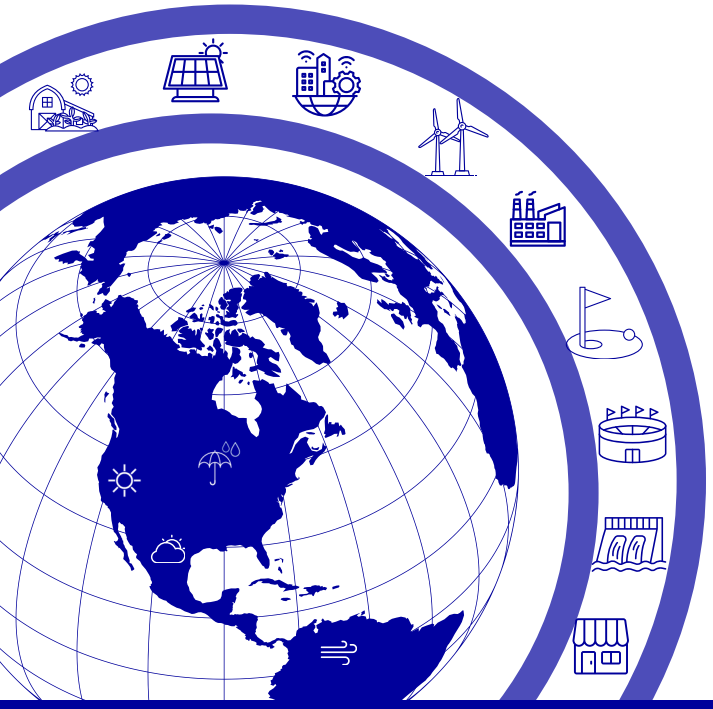
Fast and Easy Way to Collect Weather Data!

Sensors

- Wind Direction
- Wind Velocity
- Rainfall
- Temperature
- Humidity
- Barometric Pressure
- Light

All Included!





Our Vision

With the world experiencing ever changing weather patterns, we are recognizing increased occurrences of natural disasters and extreme weather. This along with normal needs for climate studying applications contribute to a growing need for spot weather sensing devices that are easy to install and maintain. OMRON has developed the new Weather Sensor to help solve these issues and meet these needs.

IoT BREAKTHROUGH AWARD 2026

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

Solution Examples

Agriculture

Realize accurate climate conditions ▶ Increase yield & reduce burden



Smart City

Forecast weather ▶ Alert residents of sudden changes



Energy Infrastructure

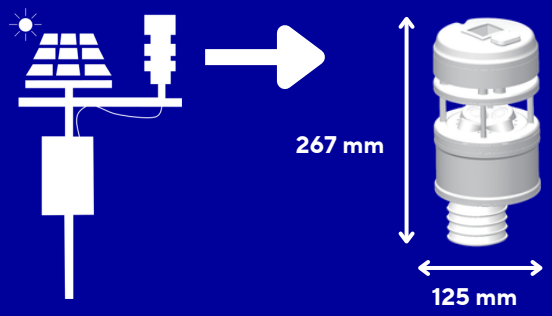
Estimate supply input ▶ Efficient power generation



Product Features

1 Easy to Install

Quick connect sensor simplifies installation in outdoor applications



2 Easy to Maintain

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



3 Low Operation Cost

Sensor operates with low power consumption at 0.8W to 1.4W (typ). RS-232C communication allows for compatibility with LPWAN protocols

Specifications

	Specification
Voltage	DC 6 ~ 24V *Battery or AC adaptor must be prepared by customer.
Rainfall	0 ~ 50 mm/h (~10mm/h ±2mm/h, 10mm/h~ ±20%)
Light	0 ~ 150,000 lx (±25%)
Wind Velocity	0 ~ 50 m/s (~5m/s ±1m/s, 5m/s~ ±30%)
Wind Direction	0.1° ~ 360° (±15°)
Temperature	-20°C ~ 50°C (±1°C)
Humidity	0 ~ 100% RH (±5%)
Barometric Pressure	600 hPa ~ 1,100 hPa (±1 hPa)
Communication	RS-232C

CONTACT

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

Aratas America LLC
2000 Center Drive, Suite B223
Hoffman Estates, IL 60192