OMRON Wireless Weather Sensor

Fast and Easy Way to Collect Weather Data!

**Sensors**

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

**Communication**

LTE-M or LoRaWAN®

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**Our Vision**

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

- The scale of extreme weather and natural disasters is increasing year by year.
- Spot weather data demand is increasing in many areas, but the number of weather stations are limited due to installation and maintenance issues.
- OMRON will solve these issues with our weather sensor.

*: Specifications and structures may be changed without prior notice.
*: LTE-M logo is designed by GSMA. LoRaWAN® is a trademark of Semtech Corporation.
Laws and regulations for weather data and sensing should be consulted before installing product.

Product is in development stage, so the specifications and images may be changed without prior notice.

Omron products are designed and manufactured as general-purpose products for various industries. Please reach out to us if you have specific application questions!

LoRaWAN® is a trademark of Semtech Corporation.

**Product Features**

1. **Easy to Install**
   - Sensors and communication are included in a compact unit.
   - 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 Costs**
   - LTE-Cat.M1 and LoRaWAN® reduce running costs.

**Specifications**

<table>
<thead>
<tr>
<th>Specification Idea</th>
<th>Voltage</th>
<th>Temperature</th>
<th>Humidity</th>
<th>Light</th>
<th>Wind Velocity</th>
<th>Wind Direction</th>
<th>Absolute Pressure</th>
<th>Rainfall</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC12V</td>
<td>-20 ~ 50 °C (±1°C)</td>
<td>0 ~ 100% RH (±5%)</td>
<td>0 ~ 150,000 lux (±25%)</td>
<td>0 ~ 25m/s (<del>5m/s ±1m/s, 5m/s</del> ±30%)</td>
<td>0.1 ~ 360 deg (±15 deg)</td>
<td>600 ~ 1100 hPa (±1hPa)</td>
<td>0~20mm/h (±2mm/h)</td>
<td>LTE Cat.M1 / LoRaWAN</td>
<td></td>
</tr>
</tbody>
</table>

**Contact us !**

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*Battery or AC adaptor must be prepared by customer.*