

2JCIE

Environment Sensor



Main features

- Numerous sensing functions in one ultra-compact package
- Bluetooth data communication system
- Built-in flash memory
- Can be installed in any building or portable device
- Two types to suit your power supply preference



The OMRON environment sensor is an ultra-compact multifunctional sensing component. Utilised as an IoT edge device, it measures temperature, humidity, barometric pressure, light intensity, noise, acceleration, eTVOC and other environmental information. As well as outputting data, this versatile component detects earthquakes by its original algorithm, calculates the heatstroke alert level and can make threshold-based judgements.

No wiring is required for installation and the environmental data sensed can be easily obtained from any IoT gateway or mobile device. Since measurements can be stored in its built-in flash memory, the sensor can be used as an environmental data logger and can collect a sequence of data, even if wireless communications are not established.

Product Series	 2JCIE-BL01	 2JCIE-BU01
Sensors included	Temperature, Humidity, Light, UVI, Absolute pressure, Noise, Acceleration	Temperature, Humidity, Light, Barometric pressure, Sound noise, 3-axis acceleration, eTVOC
Interface	Bluetooth® low energy	Bluetooth® low energy (Bluetooth® v5.0), USB communication (USB2.0)
Operating temperature	-10 to +60 °C	-10 to +60 °C
Dimensions	Approx. 46 x 39 x 15 mm	Approx. 29.1 x 14.9 x 7.0 mm
Weight	Approx. 16 g (including battery)	Approx. 2.9 g
Communication range	Approx. 10 m	Approx. 10 m
Power supply	3 V (battery)	5 V (USB power supply)
Standard approvals	CE mark, FCC/IC, Bluetooth SIG	CE mark, FCC/IC, Bluetooth SIG



Applicable for:

Energy

- Solar PV systems
- Ground and air source heat pumps
- Smart meters
- Sub metering



Building Automation & Security

- Lighting and domotics
- Ventilation and temperature control
- Safety and security
- Lifts and elevators



Home Appliances

- Gas boilers
- Domestic appliances
- Thermostats



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