

Measurement meter EXPO model

S-QUBE

SW-9033

Redefining conventional about seismometers with a palm-sized device.

IP67 waterproof, shockproof, and long-life compatible.
Connect to the cloud with just one LAN cable: S-QUBE is here.



Product Specifications

item	specification	supplement
Frequency Range	0.04 to 30.0 Hz	
Measuring quantity	acceleration	
Measurement resolution	194.20mGal (Calculated value from measured noise density)	Noise density: 22mGal/√Hz (0.04 to 39.0 Hz)
Measurement range	2G mode: (effective value) ± 1961.33 Gal (Maximum value) ±2606 Gal 4G mode: (effective value) ± 3922.66 Gal (Maximum value) ±5212 Gal	The direction of gravity is -980.665 Gal
Measured Components	3 components (NS, EW, UD)	
Sampling Rate	100Hz	
Sampling Resolution	2G mode: 0.31066mGal/LSB 4G mode: 0.62132mGal/LSB	24bit
Time synchronization function	NTP synchronization	
Time accuracy	±5.0 ppm	Built-in RTC accuracy
External Connections	Ethernet (TCP, UDP)	
Power supply voltage	DC5V±5%/DC12V±20%	Range considering fluctuations in nominal voltage
Power consumption	Max 2.4W	
Waterproof protection grade	IP67	
Housing Material	ADC12	Aluminum diecast
Operating Temperature Range	-10°C to +60°C	
Operating Humidity Range	10 to 90% RH	
Power backup function	none	Separate support is available via UPS etc.
ISO37174 compatible categories	Categories D+L, E+L, F+L, G+L, H+L, I+L, J+L	

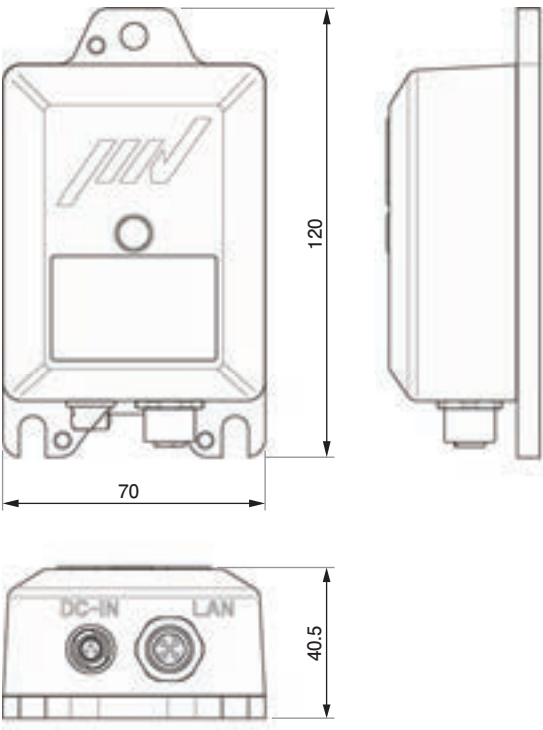
Standard accessories
Main unit SW-9033
AC adapter
Dedicated power cable
Dedicated waterproof LAN cable
Inspection report

 GALNET

<Supported browsers>

- Microsoft Edge
- Mozilla Firefox
- Safari
- Google Chrome

Dimensions



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*The specifications and design are subject to change without notice.

 JQA
JQA-1573

 ISO 9001
DSS Business Division
MES Business Division
IMV Advanced Technology Research Laboratory
Sales Division
Quality Assurance Department
Personnel General Affairs Department

 A
CN/14640E Osaka Site

This compact sensor is equipped with all earthquake monitoring functions.

The addition of cloud functionality makes it possible to remotely grasp earthquake damage.

Rich functions

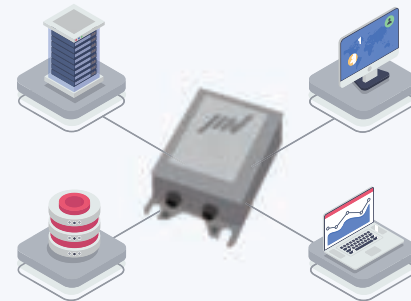
Trigger alert

The vibration acceleration threshold, which is the earthquake detection standard, can be set under various conditions.



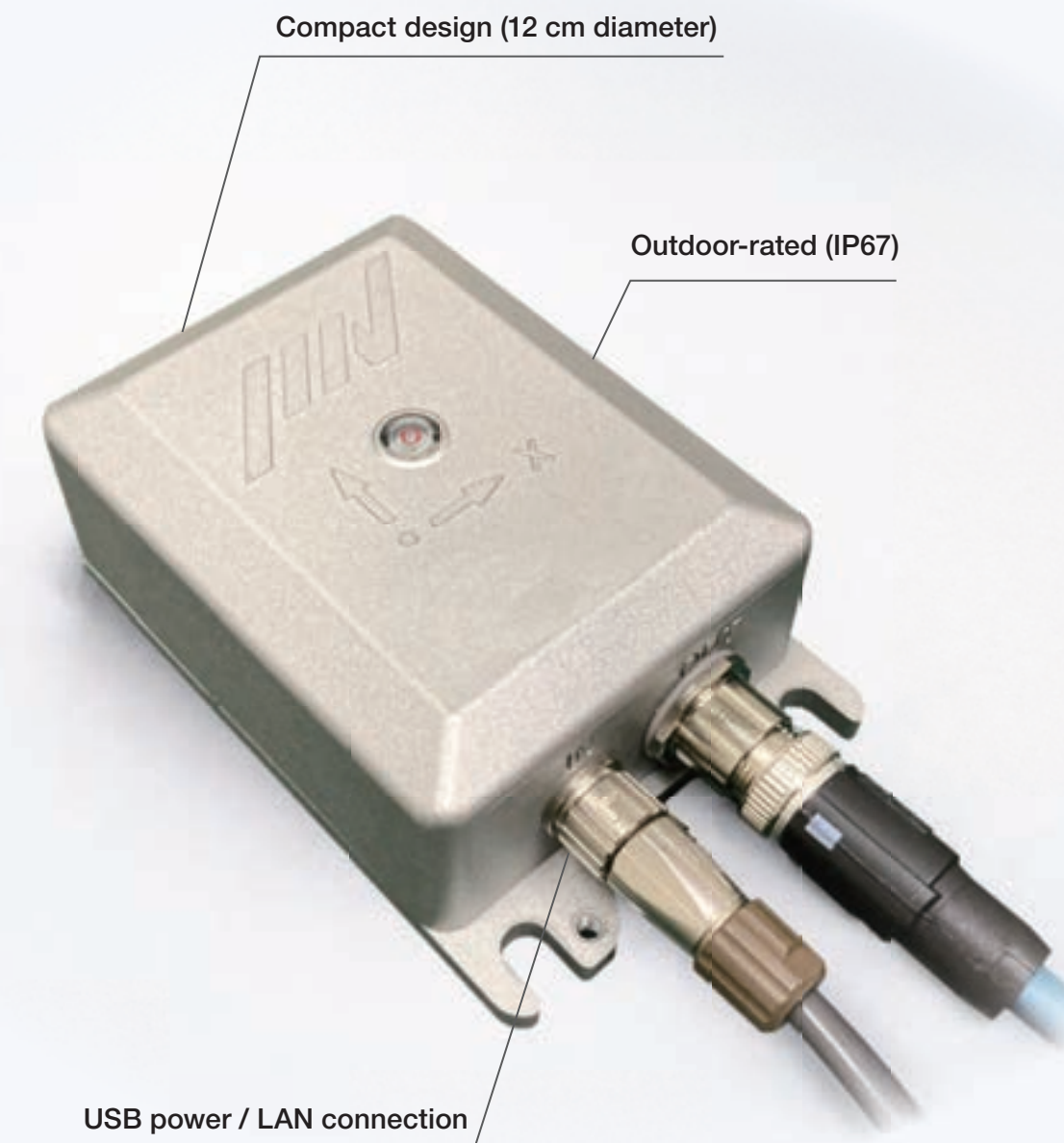
System Affinity

By adopting USB power supply and LAN connection, easily connect to PCs and various network systems.



Long-period seismic motion measurement

Earthquake damage is particularly severe in high-rise buildings, but this system is capable of measuring long-period seismic motion.



Safe and secure seismometer

Shock resistance

Seismometers are often thought of as delicate and difficult to handle, but this model is designed to be shock resistant and easy to use.



IP67 compliant

IP67 protection rating, can withstand submersion in water.



Lightning resistant

Withstands various noises and lightning surges EMC test passed.



Eco-friendly

Power saving design

This seismometer is eco-friendly design allows for low power consumption, so you can use it with peace of mind.



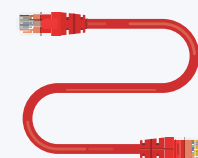
Reduced wiring costs

It is also possible to extend the cable using a commercially available LAN cable instead of a dedicated cable, which significantly reduces wiring costs.



Palm-sized with excellent performance

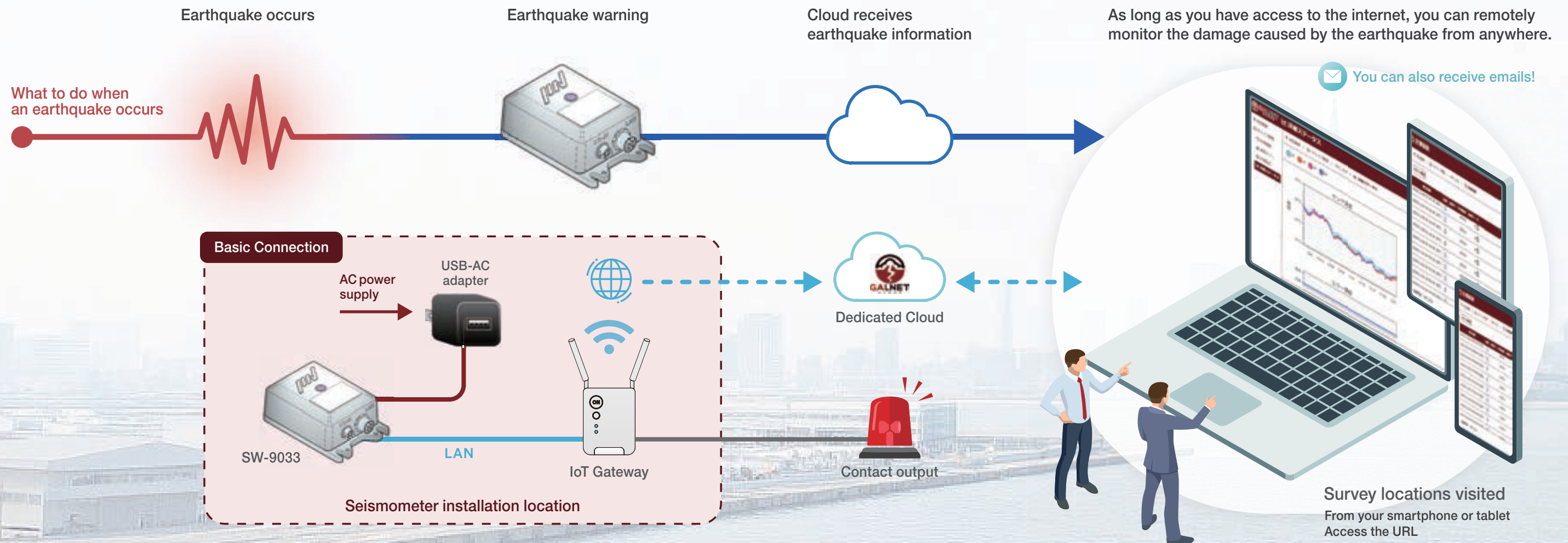
The 12cm diameter sensor is equipped with measurement capabilities that exceed those of conventional seismometers.



*Please prepare a separate line for internet access.

*If you would like to use SW-9033 in your own system, please contact us. Depending on the contract, it may be possible to make the communication command specifications (API) public.

Cloud-based earthquake monitoring allows you to grasp the damage situation remotely

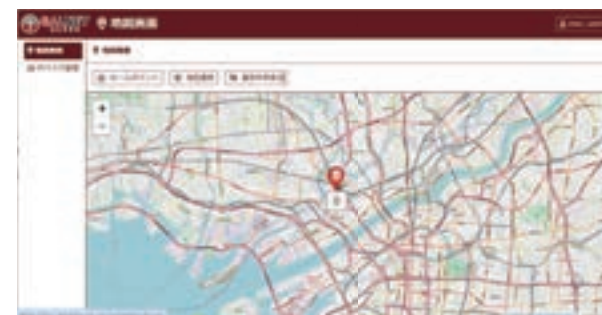


Various settings



For each registered location, you can set the destination for email alerts in the event of an earthquake, as well as set up regular measurements (continuous microtremor measurements) and self-tests (status checks).

Map display



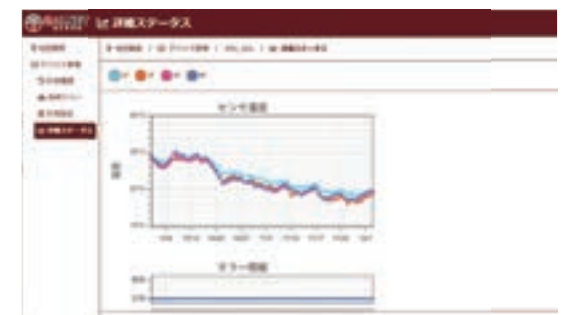
You can select and view the monitoring status of connected seismometers from the map.

Earthquake event history



The last 50 earthquake events are displayed.

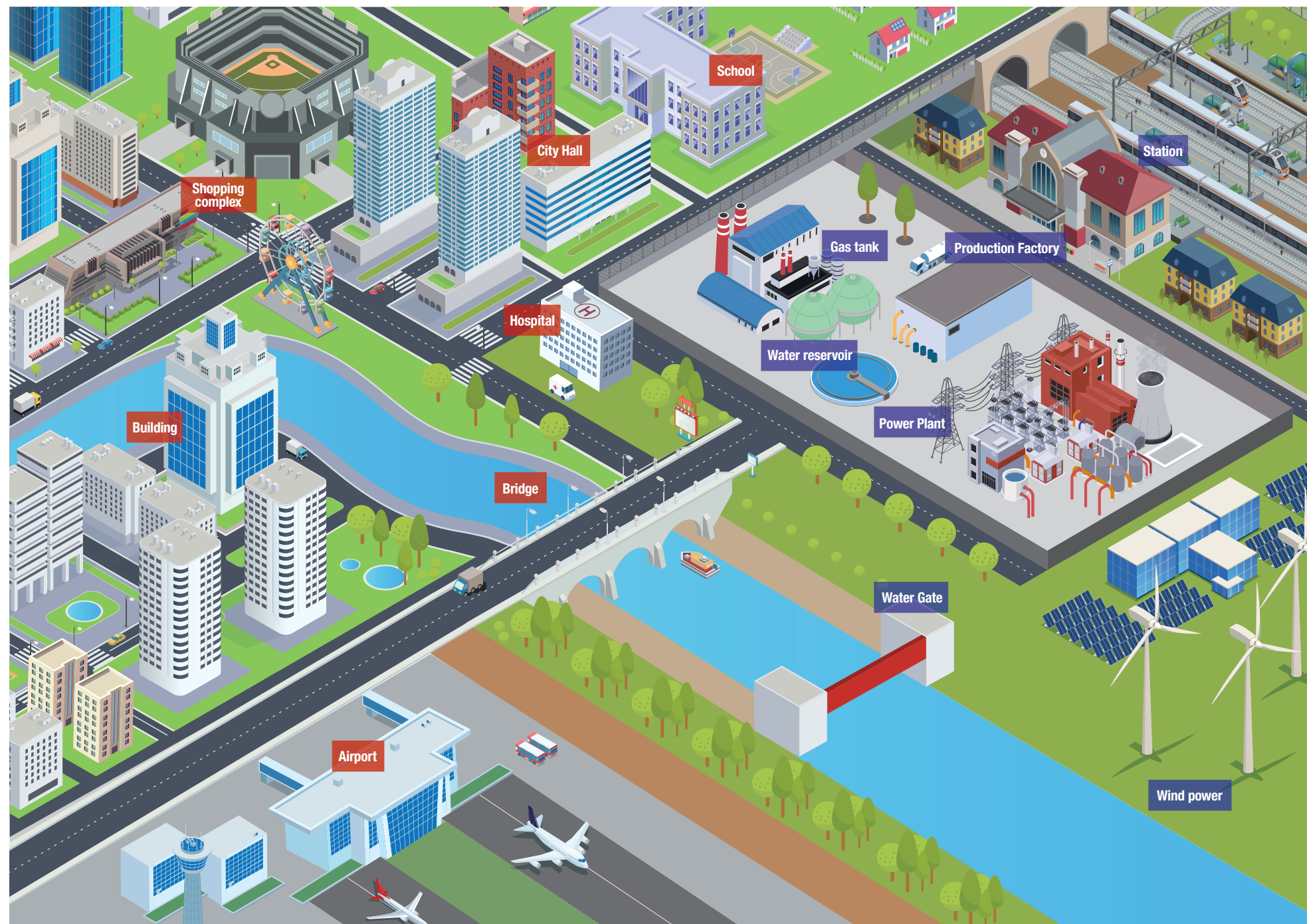
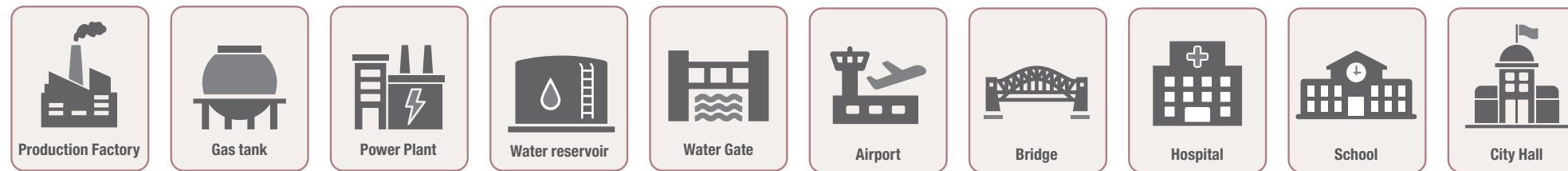
Seismometer status



The status parameters (internal temperature, etc.) of seismometers for each installation location in a graph.

Product usage examples

► For the places emergency stops and alarms are required

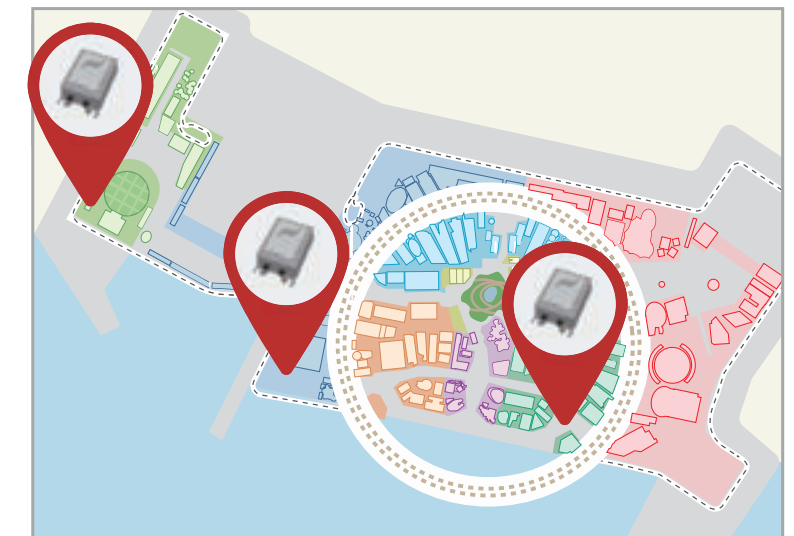


► For commercial facilities and event venues where many people gather

It was installed at the Kansai EXPO 2025 venue!

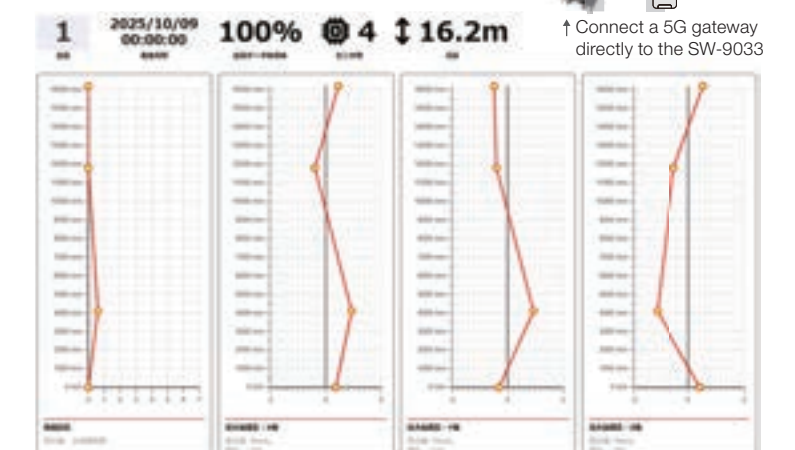
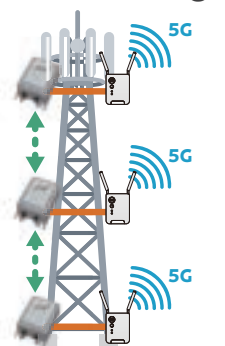
Three SW-9033 units were installed at the 2025 Osaka-Kansai Expo, monitoring earthquakes via the cloud throughout the event and constantly watching over the venue where visitors gathered.

*No earthquakes of magnitude 1 or higher occurred during the event.



► Also suitable for high-rise buildings and towers where you want to see the shaking of each floor.

It monitors the deformation of the radio tower caused by wind and earthquake vibrations, and reports the results of a health diagnosis based on the maximum correlation deformation angle



↑ Response distribution graph by floor