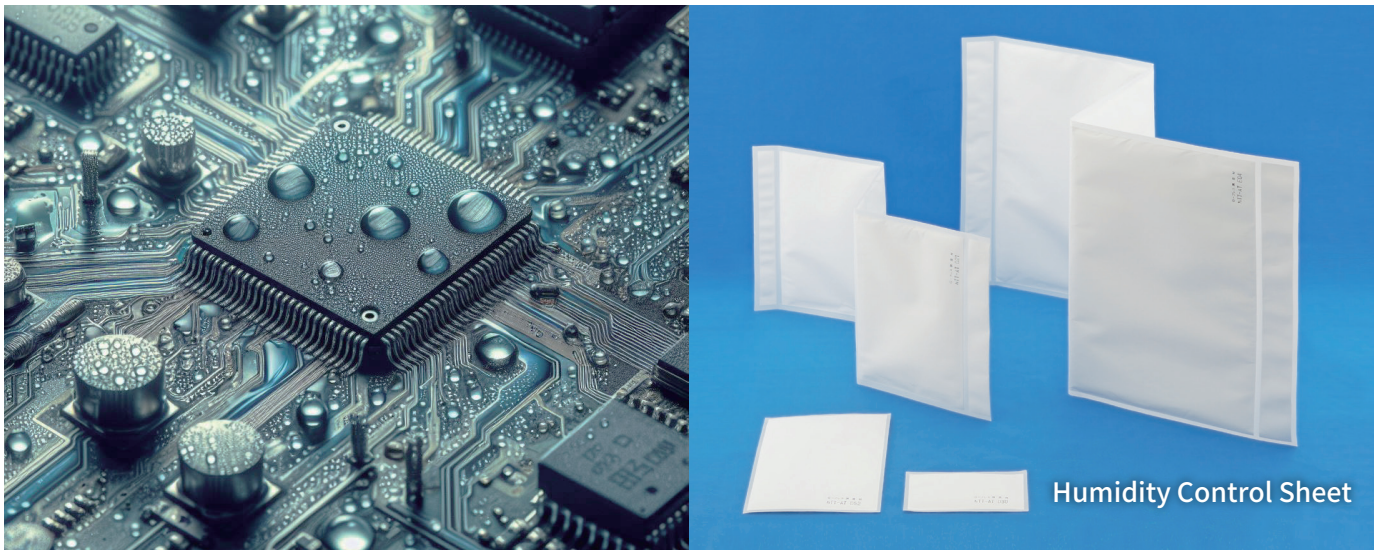# NTT AT

## Did you know that even waterproof construction can face issues?

## Controlling humidity is the key to preventing this.

Ministry of Land, Infrastructure, Transport and Tourism New Technology Information System (NETIS)
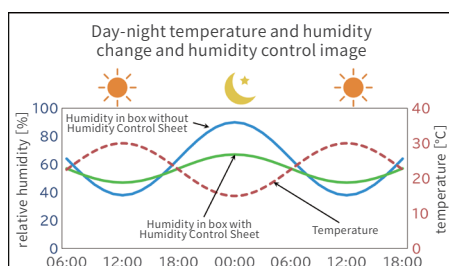Registered Product NETIS Registration Number: KT-180094 VE



Humidity Control Sheet

## Ideal for preventive maintenance of various infrastructure facilities and equipment due to condensation and moisture!

Condensation and moisture caused by temperature changes between the day and night are the main causes of insulation failure and short circuits even in waterproof electrical equipment. NTT-AT's "Humidity Control Sheet" has excellent humidity control capabilities to significantly reduce this issue.

### 1. Amazing humidity control function suppresses condensation

Humidity rises when the temperature drops, so inside waterproof equipment installed outdoors becomes humid at night. Humidity Control Sheet control humidity fluctuations in such places.



Day-night temperature and humidity change and humidity control image

### 2. A thin, lightweight, and flexible sheet that can be installed anywhere
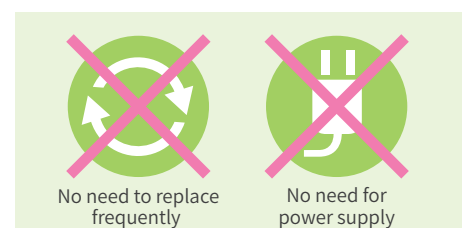
Humidity Control Sheet is thin and lightweight, and flexible sheet that can be installed even in small spaces. Our Humidity Control Sheet is available in four sizes to meet the required capacity of dehumidifying space.



### 3. Long-term durability and maintenance-free operation reduce labor and cost

Unlike conventional dehumidification products, it can be used for a long period of time by repeating moisture absorption and moisture release, thus reducing electricity bills and maintenance costs related to replacing dehumidifiers.



No need to replace frequently

No need for power supply

Sustainable

https://keytech.ntt-at.com/en/environ/prd_4010.html
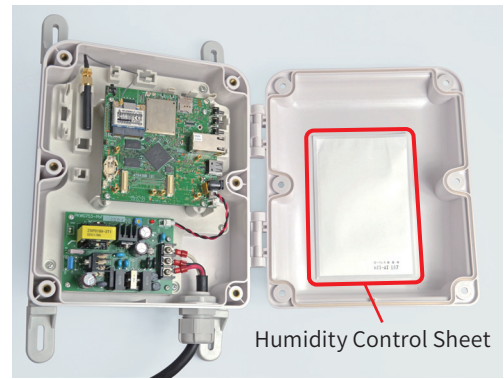
## Installation Examples

Humidity Control Sheet has long maintained their performance in NTT's communication infrastructure facilities and has been used in a variety of outdoor equipment. They don't need special processing and can be easily installed by anyone.



Photovoltaic power generation facilities


Humidity Control Sheet

Communication terminal boards


Humidity Control Sheet
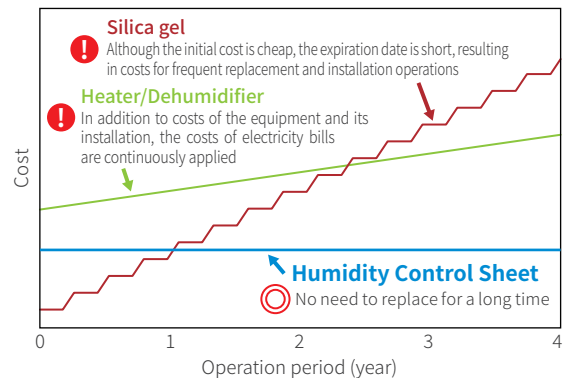
Communication modules for IoT equipment

・Installation performance results
telecommunications/Railway/road/ship/electric equipment of public facilities/junction box/control board/switchboard/factory manufacturing equipment/doorphone/IoT equipment/radar/surveillance camera/storage battery/measuring instrument, etc. Public works projects have been evaluated for its effectiveness and has been evaluated as a NETIS VE technology.

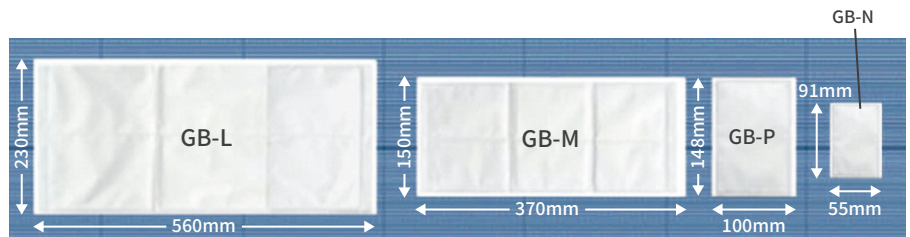## Difference from conventional dehumidifiers

The figure on the right shows the difference between conventional dehumidifying appliances (green line: heater/dehumidifier) and dehumidifier (red line: silica gel) for the operating period. Total cost is compared with Humidity Control Sheet, which has a longer replacement interval, has higher cost performance over a longer period of time.

・For preventing failures due to humidity or condensation of electrical equipment

・For preventing failures due to humidity or condensation where there is no air conditioner

・For preventing failures due to humidity or condensation where maintenance work cannot be performed easily

・For prolonging the life of equipment by controlling the fluctuation of humidity inside the product

・For storing products, musical instruments, and works of art that are disliked by low or high humidity

・No special drying is necessary to restore the hygroscopicity of Humidity Control Sheet



**Silica gel**
Although the initial cost is cheap, the expiration date is short, resulting in costs for frequent replacement and installation operations

**Heater/Dehumidifier**
In addition to costs of the equipment and its installation, the costs of electricity bills are continuously applied

**Humidity Control Sheet**
No need to replace for a long time

## Size Lineup

| Product Name | Size (mm) | Weight (g) | Application Capacity (L) |
|---|---|---|---|
| GB-L | 560×230×3 | 130 | 400L |
| GB-M | 370×150×3 | 50 | 150L |
| GB-P | 100×148×1 | 10 | 25L |
| GB-N | 55×91×1 | 3 | 7L |



*Size, weight, and applicable volume are approximate.
They differ depending on the installation environment, such as the structure of the facility, temperature and humidity, and amount of steam.

Precautions for use
• If there is a danger of flooding affecting the box where this product is to be installed, please use it after first applying appropriate preventive measures.
• This product does not guarantee the prevention of equipment failure.

Notes:
* Company names, product names, etc. which were indicated are the trademark or registered trademark of each company.
* Specifications written in this catalog may be changed without prior announcement.
* Catalog contents from March, 2025 to present.

**For more information, please contact**    https://keytech.ntt-at.com/en/environ/prd_4010.html

# NTT Advanced Technology Corporation