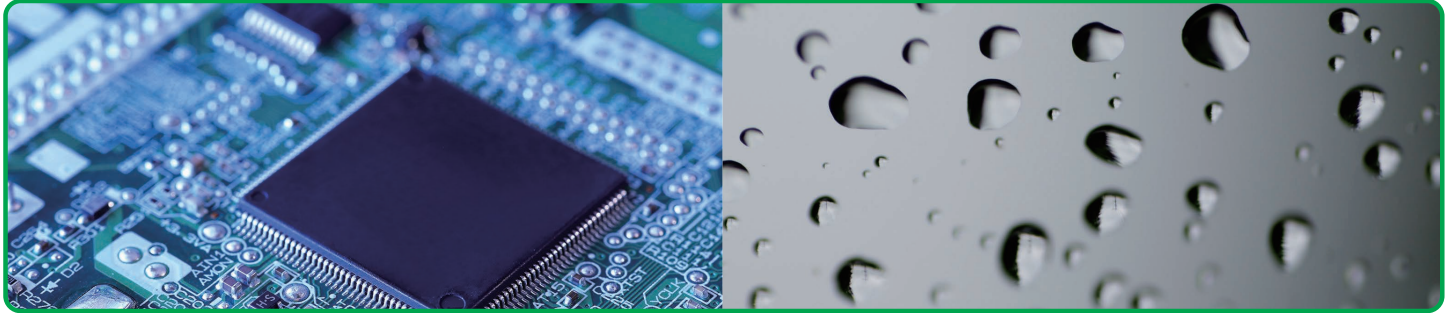




## The Condensation Buster!

Protects electrical equipment from problems.



### Humidity Control Sheet is compliant with the RoHS Directive (EU) 2015/863.

Do you have problems with your equipment caused by dew condensation in damp and humid environments? Problems such as communication trouble from rust building on device chassis or base materials and fires due to short circuits?

NTT-AT has a solution for you. The “Humidity Control Sheet” is a highly effective equipment maintenance product to prevent problems caused by dew condensation by utilizing a special fabric manufactured by NTT-AT.

#### POINT

1

**Dew condensation problems are solved with Humidity Control Sheet!**

The excellent humidity control function of “Humidity Control Sheet” constantly maintains humidity at a certain level by absorbing and releasing moisture in the air. The result of outdoor tests (see the figure to the right) indicates the humidity levels in a box without Humidity Control Sheet (Blue Line) changed according to the air humidity levels (Green Line), but the humidity levels in a box with Humidity Control Sheet were maintained in a fixed range.

#### POINT

2

**Long lasting and easy maintenance!**

Conventional desiccants do not perform well after absorbing certain amount of moisture. However, the superior breathing characteristic of Humidity Control Sheet maintains high performance\* over a long period of time. There is no need for maintenance after installing Humidity Control Sheet, time and labor costs are significantly reduced.

#### POINT

3

**Flexible design to fit any enclosures!**

Humidity Control Sheet is thin and flexible so it can be affixed easily in places with limited space or on curved surfaces. There are four different sizes of Humidity Control Sheet to choose from to suit the capacity of the enclosures.



Humidity Control Sheet

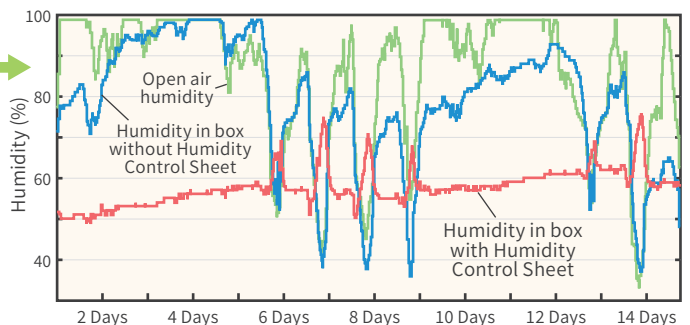


#### Humidity Control Sheet Humidity (Hygrometric)

##### 【Measurement Conditions】

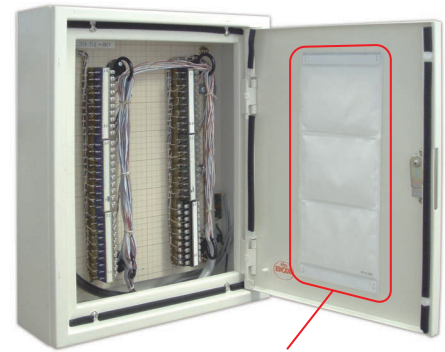
- Volume capacity of box used for testing: 13.9 liter
- (ø5mm vent hole in bottom)
- Humidity Control Sheet (post-card size) installed on lid
- Measurement location: outdoors location in Hachioji city, Tokyo
- Measurement time period: 2 weeks

※ Usable time period may change depending on environmental conditions.



## Size Lineup and Construction Examples

NTT-AT's Humidity Control Sheet, which boasts a performance record of over 1.5 million usages in NTT's communication equipment, has been highly rated by many customers for its high humidity control function and long service life.



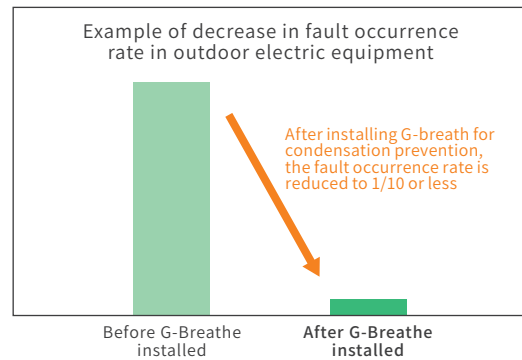
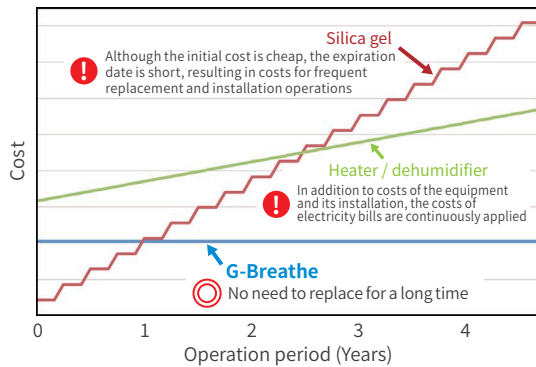
Humidity Control Sheet construction example in an electrical terminal board

Product Name	Size (mm)	Weight (g)	Application Capacity (L)	Contents
GB-L	560 x 230 x 3	130	400	5
GB-M	370 x 150 x 3	50	150	10
GB-P	100 x 148 x 1	10	25	30
GB-N	55 x 91 x 1	3	7	30

### Installation Performance Results

NTT Communication Equipment / Door Intercoms / Switchboards / Control Panels / Manufacturing Equipment / Radar / Monitoring Cameras / Ships / Monitoring Sensors / Optical Devices / M2M Devices / IOT Devices / Construction Equipment / Food Manufacturing Equipment / etc.

## Comparison with other products for cost and introduction effectiveness



※ The effect depends on the structure of the equipment in which it is installed and environmental conditions

## Application examples and precautions for use

- To prevent insulation failure and insulation deterioration due to condensation inside electric equipment
- To control condensation in places where air conditioning equipment requiring electric power cannot be installed
- To control condensation in factories in places where the fluctuation of temperature and humidity is large
- For protection against condensation and mold in outdoor facilities such as storage boxes and sheds
- To prevent condensation in places where equipment work and maintenance work cannot easily be done
- To provide measures to prolong the life of equipment
- For the storage of musical instruments and art objects that are susceptible to moisture
- In addition, it can be used in many other various scenarios.

### 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.
- The applicable volumes indicated are estimates for use in sealed spaces. Actual results depend on environmental conditions.
- This product does not guarantee the prevention of failure of equipment.

### 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 December, 2019 to present.

For more information,  
please contact

<http://www.ntt-at.com/product/g-breathe/>

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