

The Condensation Buster!

Protects telecommunication equipment from problems.

A dew condensation protection sheet for telecommunication equipment installed outdoors.

Humidity Control Sheet

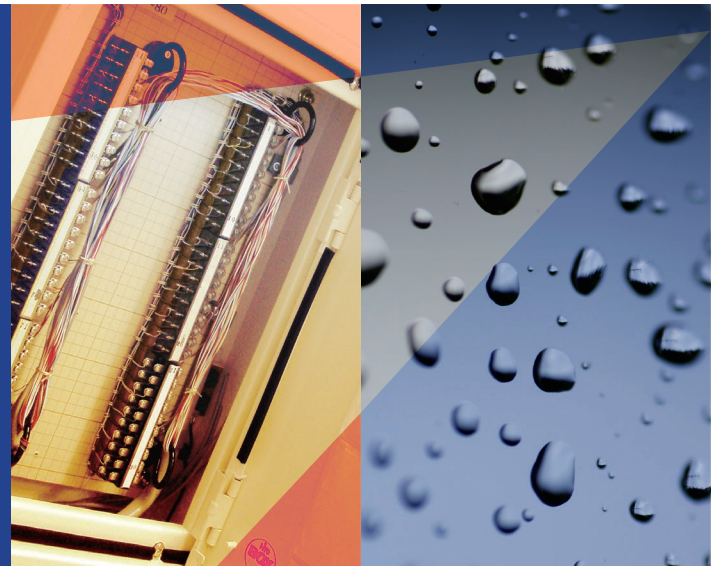
Humidity Control Sheet is compliant with the RoHS Directive (EU) 2015/863.

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!

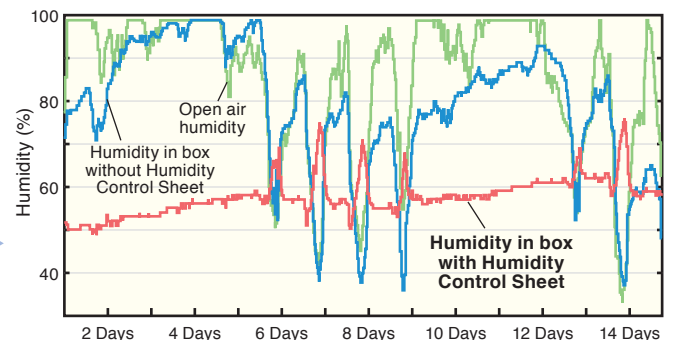
The excellent humidity control function of “Humidity Control Sheet” constantly*1 maintains humidity at a certain level by absorbing and releasing moisture in the air.

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.



Humidity Control Sheet Humidity (Hygrometric) Measurement Test

- [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



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*2 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.

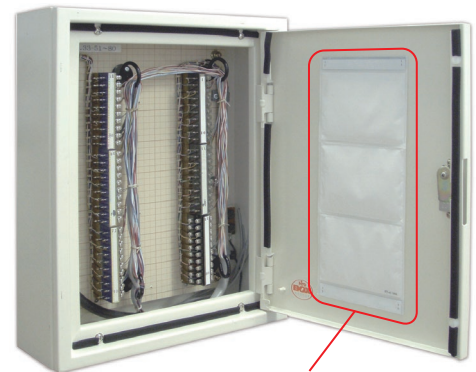
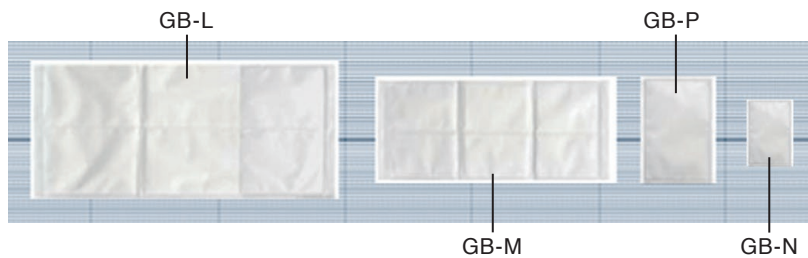


Humidity Control Sheet

*1 Macromolecule polymer: super absorbency macromolecule
 *2 Usable time period may change depending on environmental conditions.

Humidity Control Sheet is proud of its track record of over 1,500,000pcs installed in communication equipment such as connection terminal boxes and protection devices. Humidity Control Sheet has been endorsed by many construction and management contractors in the telecommunications industry for managing high humidity under control and long lasting performances.

Size Lineup and Construction Examples



Humidity Control Sheet construction example in a telecommunications 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.

Application Examples and Cautions for Use

Installation Performance Results

- To prevent defects from erosion and burn-out damage caused by dew condensation in electrical equipment.
- To prevent dew condensation in places where electrically powered air conditioning equipment cannot be used.
- To prevent dew condensation in factories in locations with large fluctuations in temperature and humidity.
- To prevent dew condensation and mold in outdoor installed storage bins, sheds, etc.
- To prevent dew condensation in places where maintenance work for equipment and facilities cannot be easily done.
- Measures to prolong life of equipment.
- For storage of instruments and art objects that are susceptible to moisture.
- In addition to these it can be used in a wide variety of other situations.

[Cautions for Use]

- Please take adequate measures to keep water out of cabinets before installing Humidity Control Sheet.
- The standard application is intended for use in a sealed space. Changes in usage environments may affect results.
- This product is not responsible for the failure of any device.

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 August, 2017 to present.

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For more information, please contact

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

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