



Dew sensor-----Model: HDS10

High quality & precision!

HDS10 the dew sensor is a kind of switching-mode element and only sensitive to high-humidity, working under DC. It's used to protect equipments from dew because its high precision and quick response.

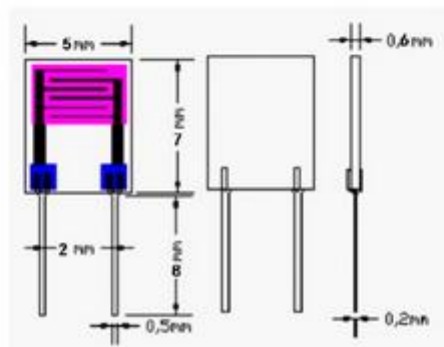
1. Features:

- *Small, light
- *High sensitivity under high-humidity circumstance
- *Switching function
- *Quick response
- * Anti-pollution
- *Excellent reliability and stability

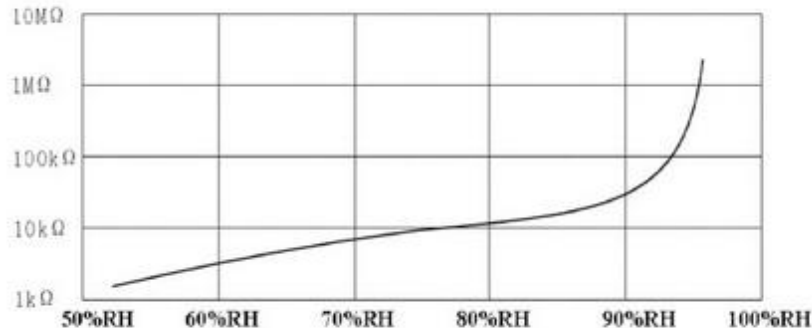
2. Technical specification:

Working voltage	0.8~5V DC
Working temperature range	0-80 Celsius
Working relative humidity range	0-100%RH
Dimensions	5*7*0.6mm
Resistance	75%RH, 10K ohm(average) 93%RH, 70K ohm(average) 95%RH, 200K ohm(average)

3. Dimensions:



4. Characteristics:



8. Error and sources of error:

Measure values maybe influenced by follow factors:

Humidity errors

Equilibration time too short, steam, water sprays, dripping water or condensation at the sensor, etc.

9. Cautions:

Proper location of the room humidity sensor is important to ensure accurate measurement of representative air samples. Place the sensor in an area of room that has good air circulation. Install the sensor on a flat interior surface, approximately 1.4m from the floor.

Avoid locating the sensor:

- * Near heat sources, such as radiant heat from the sun, heat from appliances, or from concealed pipe or chimneys
- * In areas subject to draft
- * Behind doors, draperies, or in corners
- * On walls having excessive vibration
- * In corrosive environments such as swimming pools or hospital rooms

10. Warnings:

Don't use this item on safety or emergency stop devices and any other application which may cause injury due to the failure of this item.

11. Quality Warranty:

Aosong warrants that this product will be free from defects in materials and workmanship for a period of 365 days from the date of shipment. If any such product proves defective during this warranty period, Aosong, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement for the defective product.

In order to obtain service under this warranty, customer must notify Aosong of the defect before the expiration of the warranty period and make proper prove for the defect. Customer shall be responsible for packaging and shipping the defective product to the service center designated by Aosong, with shipping charges prepaid. Aosong shall pay for the return of the product to customer if the shipment is to a location within the country in



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which the Aosong service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Aosong shall not be obligated to furnish service under this warranty

- a) to repair damage resulting from attempts by personnel other than Aosong representatives to repair the product;
- b) to repair damage resulting from improper use or connection to incompatible equipment;
- c) to service a product that has been modified or integrated with other products when the effect of such modification or integration increases the time or difficulty of servicing the product.

Special notes: quality problem caused by following reasons is not warranted:

- (1): Damaged by human factor
- (2): Application beyond the using range as stated in product's technical specification
- (3): Damaged by corrosive or acid or alkaline air