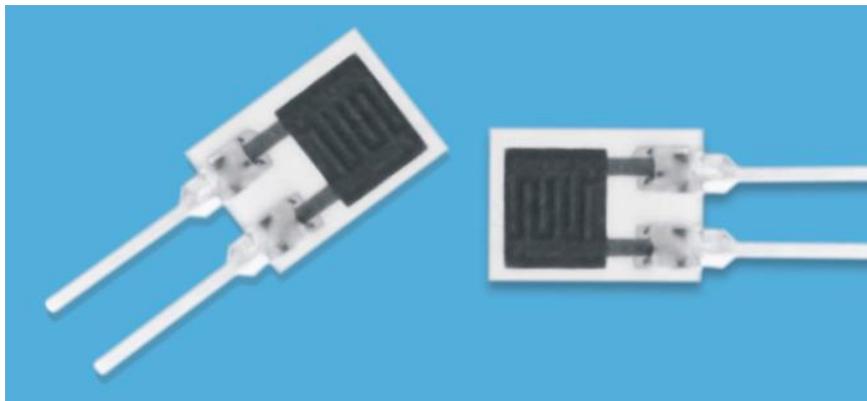


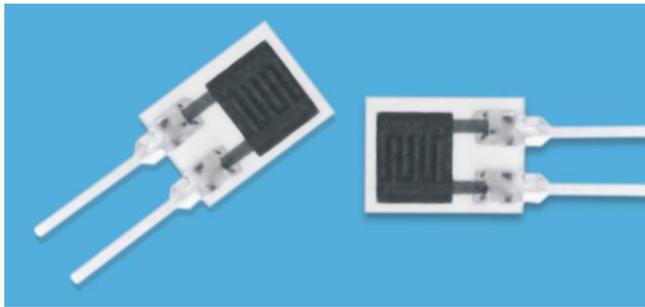
Dewing sensor

HDS10 Product manual

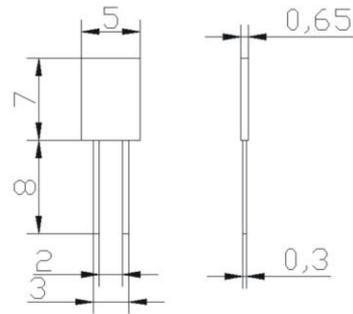


1、 Product overview

HDS10 dewing sensor is feature stype switch element ,Is not sensitive to low humidity and only to high humidity sensitive, can work under dc voltage, stable quality, reliability, reached the international advanced level



The physical map



Overall dimensions (unit: mm)

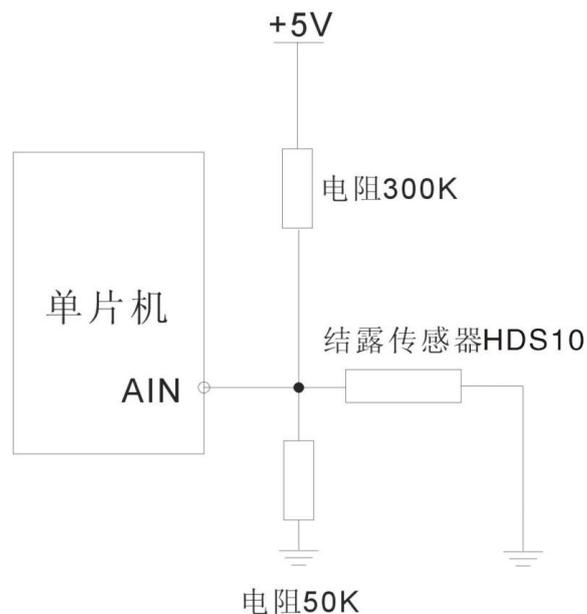
2、 Applied The scope

Electronic, pharmaceutical, food, storage, tobacco, textile, meteorological industry. Temperature and humidity table, humidifier, dehumidifier, air conditioner, microwave ovens and other products

3、 Product highlights

Response speed, strong ability to resist pollution, work under dc voltage, high reliability, good stability and high humidity environment has a very high sensitivity.

4、 Circuit diagram



5、 The product parameters

The power supply voltage : 0.8V DC (safety voltage)

Using the temperature range : 1~80 °C

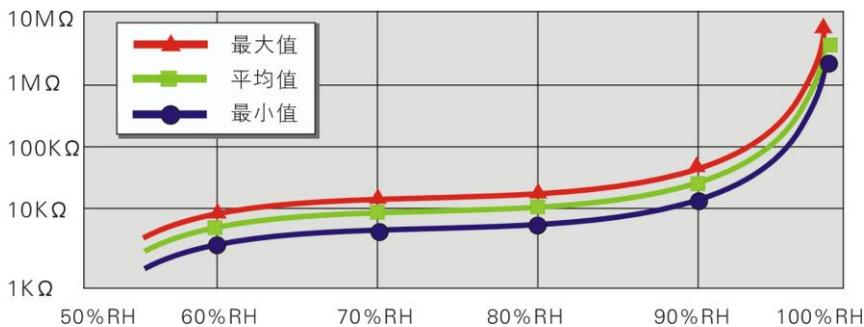
Use the humidity range : 1 ~ 100%RH

Condensation test range : 94 ~ 100%RH

6、 Features parameters

project	Test conditions	specifications
Resistance value	75%RH 25°C	10KΩ Max
	93%RH 25°C	70KΩ Max
	100%RH 60°C	200KΩ Max
Response speed	25°C, 60%RH → 60°C, 100%RH	Less than 5 seconds
Temperature cycle	-40°C, 30minutes~ 85°C, 30minutes 5 cycle	Relative humidity Resistance value
Place	The high temperature 85°C, 2000 hours	
	Low temperature -40°C, 2000 hours	
	Low temperature 40°C, 5%RH, 2000 hours	
High humidity load	The high temperature 40°C, 90~95%RH, 2000hours	25°C 75%RH 20KΩ Max
	40°C, 90~95%RH 中加 DC 0.8V 2000 小时	25°C 93%RH 90~100 KΩ
Condensation cycle	25°C, 60%RH, 57 minutes 60°C	100KΩ 以上
	25°C, 100%RH, 3 minutes 2000 次 100%RH	100KΩ 以上

7、 haracteristic diagram figure



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- ① The product is found defective within 14 days written notice to the Company;
- ② The product should be mailed back to the company to pay the purchaser;
- ③ The shelf life of the product should be.

The company only to those used in compliance with the technical condition and defects of products is responsible for. Company for its products used in those special applications without any warranty, guarantee or written statement. At the same time, the products applied to the products or reliability in circuit is also not to make any commitment.