

HMZ-433A1 Humidity module specifications

1. Application range :

The HMZ-433A1 module consist of an HCZ sensor and integrated circuit to provide a linear DC Voltage for 0-100%RH to enable easy user application of the HCZ sensor. They are specifically designed for use appliances and controllers.

Feature	Application
Wide humidity operation range	Air condition ,humidifier, Dehumidifier.
Linear DC Output	Humidity controller, Humidity transmitter.
Easy operation	Hygrometer, Hygro-recorder.
Long-term stability	Copying machine.
Small and economical	Clock ,Weather-forecast barometer.

2. Electrical characteristics :

- 2.1 Sensing element (Humidity) : HMZ-433A1 Humidity sensor “ GHITRON HCZ sensor“
- 2.2 Supply Voltage(Vin) : 5VDC±5%
- 2.3 Current Consumption : 5mA max:(2mA avg.)
- 2.4 Operating Range
 - Temperature : 0 to 60°C
 - Humidity : 95%RH or less
- 2.5 Storage
 - Temperature : -20 to 70°C
 - Humidity : 95%RH or less
- 2.6 Humidity transmitting
 - Range : 20 to 90%RH
- 2.7 Accuracy :
 - Temperature : Resistance(1%) : 50±0.5KΩ(at 25±0.2°C)
 - Humidity : ±5%RH (at 25°C , 50%RH, Vin=5.00VDC)
- 2.8 Humidity Output 0~3.3V
Signal(Reference) : At 25 ,Vin=5.00VDC