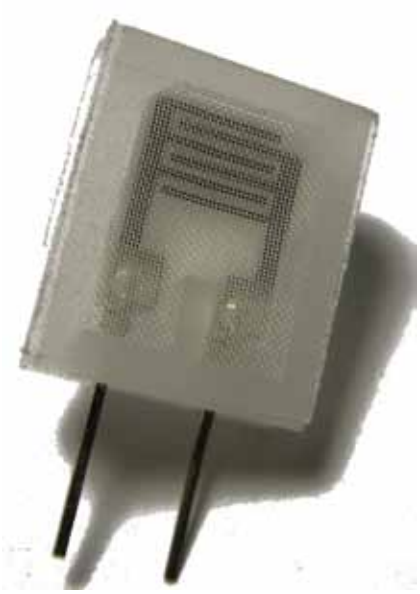
GE
Measurement & Control

HS30P
Thermometrics Relative Humidity Sensor



Features

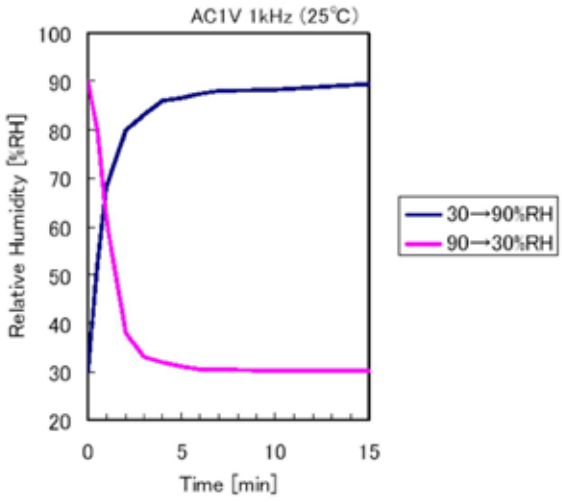
- Good, long-term reliability
- Cost-effective performance
- Equipped with micro-heater for faster recovery from condensation

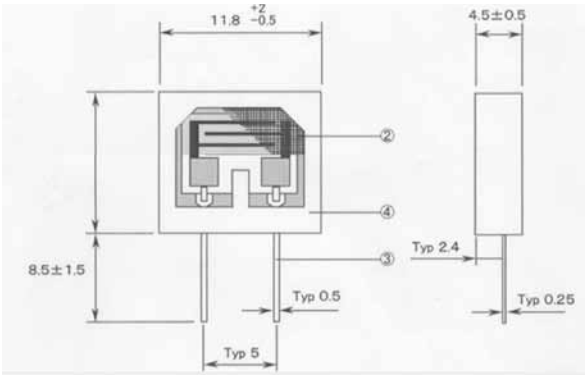
Applications

- Humidity Monitors
- Humidity Controllers
- Air Conditioners
- Humidifiers
- Dehumidifiers
- Automatic Ventilation

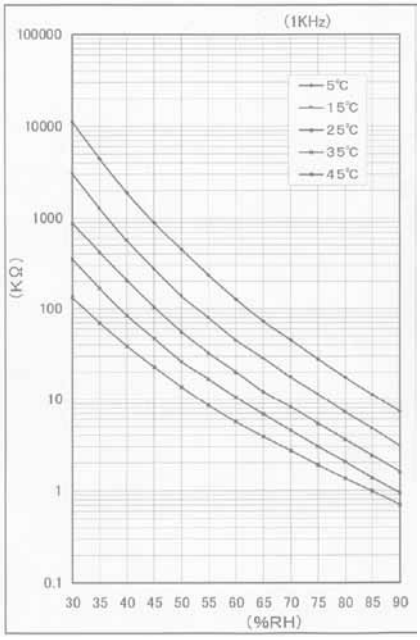
HS30P Specifications

Storage Temperature	-20~70°C
Storage Humidity	20~90 %RH (Without condensation)
Operating Humidity Range	20~90 %RH (without condensation)
Operating Temperature Range	-20~60 °C
Rated Working Voltage	AC 1 V (50Hz~1KHz)
Rated Power	0.3 mW
Nominal Impedance Value	55 kΩ (25°C, 50%RH)
Tolerance on Impedance Value	Min 32.3kΩ / Max 99.7 kΩ
Reliability (Impedance value change as relative humidity at 25°C, 50%RH)	
Dry Heat Storage	<±5 %RH (70°C, 1000 hr.)
Cold Storage	<±5 %RH (-25°C, 1000 hr.)
Damp Heat Storage	<±5 %RH (60°C±5°C, 90~95%RH, 1000 hr.)
Heat Cycle Test	<±5 %RH (-25°C~70°C, 500 cycles)
Low Humidity Storage	<±5 %RH (25°C, 20 %RH, 1000 hr.)





Typical Sensitive Characteristics



No	Part Name	Meterial
1	Humidity Sensor	HS-30
2	Filter	Mesh
3	Lead	PBR
4	Case	Polypropylene (White)

Notes:
1. Use only within specified conditions.
2. Don't disassemble or change any parts.
3. Don't touch sensor element.
4. Don't apply any direct current to the sensor.
5. Don't touch the film and the surface of the sensor.
6. In use and stock, freezing, dust, mist, oil, alcohol, corrosive gases or any other dirty/anomalous ambient may cause degradation of the sensor's characteristics.
7. Protect the sensor film from flux/fume and high temperature during the soldering.
8. Don't put sensor in water.

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920-570A