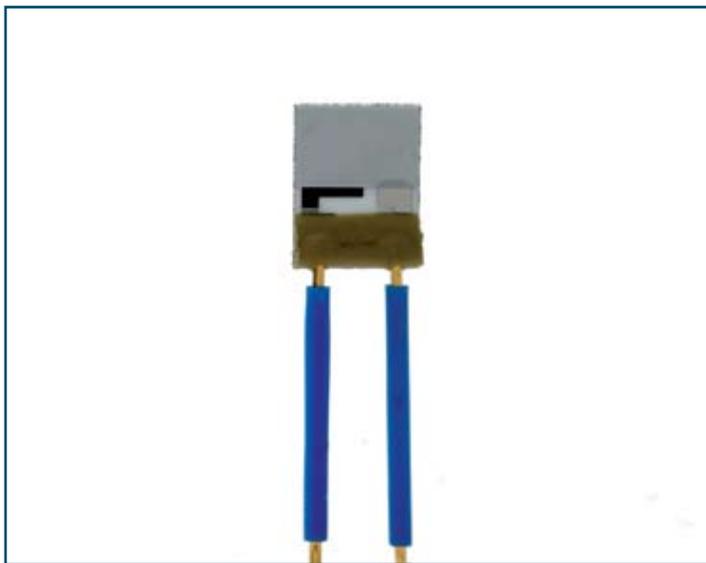


H3000

Capacitive Relative Humidity Sensor



Technical Specifications

Humidity operating range	5–90% RH
Operating temperature range	-30 to +130°C / -22 to +266°F
Capacitance 30% RH @ 23°C / 73°F	150 pF ± 50 pF
Sensitivity (15-90% RH)	0.25 pF/% RH
Loss Factor	< 0.01
Accuracy (15–90% RH @ 23°C / 73°F, after one point calibration)	< 1.5% RH
Hysteresis	< 1.5% RH
Response Time T₆₃	< 5s (50% to 0% RH)
Frequency Range	1–100 KHz (recommend 10 KHz)
Maximum Operating Voltage	< 12 Vpp AC
Signal Form	alternating signal without DC bias

The H3000 humidity sensor can be used in a wide range of HVAC applications. Through the consistent use of state-of-the-art production technologies and our extensive know-how in the field of high performance polymers, we have succeeded in producing a high quality sensor with an almost linear characteristic. The possibility for selecting the electrical connections provides users with ideal opportunities for implementing their own sensor design without limitation.

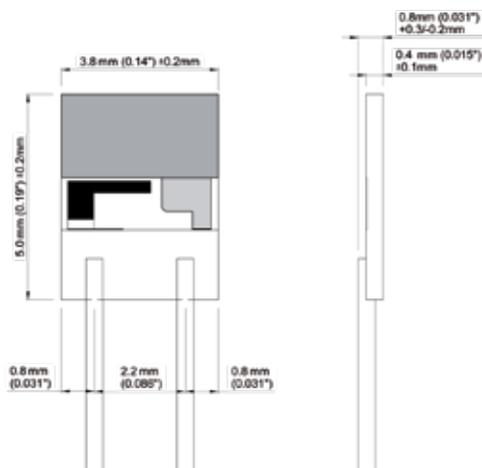
Order Codes

H3000	Minimum order 50 pieces
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Highlights

- Applicable in HVAC products
- Good long term stability
- High resistance to various chemicals
- Wide temperature operating range

Dimensions



Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Ref: H3000_97196_V1_UK_1009