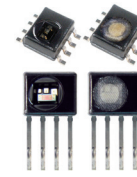
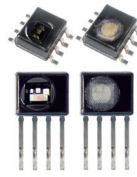
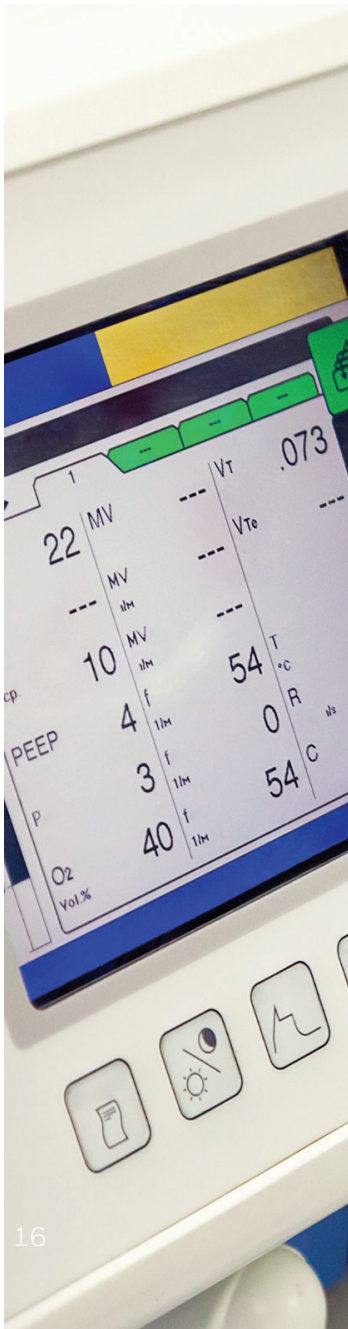


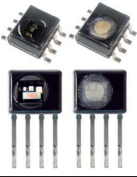
Humidity Sensors | Honeywell Humidicon™

Digital output-type relative humidity and temperature sensor combined in same package. Offer a range of humidity accuracies from $\pm 2.0\%$ RH typ. to $\pm 4.5\%$ RH typ., wide operating temperature ranges, and low hysteresis. Potential applications include HVAC/R, air compressors, weather stations, telecom cabinets, respiratory therapy, and incubators/microenvironments.



Series	Honeywell Humidicon™ HIH6000	Honeywell Humidicon™ HIH6100
Description	digital output-type relative humidity (RH) and temperature sensor combined in same package	digital output-type relative humidity (RH) and temperature sensor combined in same package
Humidity accuracy	$\pm 4.5\%$ RH typ.	$\pm 4.0\%$ RH typ.
Temperature accuracy	$\pm 1.0^\circ\text{C}$ typ.	$\pm 1.0^\circ\text{C}$ max.
Operating temperature range	-40°C to 100°C [-40°F to 212°F]	-25°C to 85°C [-13°F to 185°F]
Hysteresis	–	–
Output	I ² C or SPI	I ² C or SPI
Package type	SIP 4 Pin or SOIC-8 SMD	SIP 4 Pin or SOIC-8 SMD
Response time	6 s typ. in 20 l/min minimum airflow	6 s typ. in 20 l/min minimum airflow
Long-term stability	$\pm 1.2\%$ RH for five years	$\pm 1.2\%$ RH for five years
Operating humidity range	0 %RH to 100 %RH	0 %RH to 100 %RH
Compensated humidity range	20 %RH to 80 %RH	10 %RH to 90 %RH
Moisture/dust filter	yes (some listings)	yes (some listings)
Voltage supply	3.3 Vdc typ.	3.3 Vdc typ.
Features	industry-leading long term stability, reliability, and relative humidity accuracy; lowest total cost solution; energy efficient; available with or without hydrophobic filter and condensation-resistance; optional one or two %RH level alarm outputs	industry-leading long term stability, reliability, and relative humidity accuracy; lowest total cost solution; energy efficient; available with or without hydrophobic filter and condensation-resistance; optional one or two %RH level alarm outputs





Honeywell HumidIcon™ HIH7000

digital output-type relative humidity (RH) and temperature sensor combined in same package

±3.0 %RH typ.

±1.0°C typ.

-40°C to 100°C [-40°F to 212°F]

-

I²C or SPI

SIP 4 Pin or SOIC-8 SMD

6 s typ. in 20 l/min minimum airflow

±1.2 %RH for five years

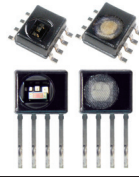
0 %RH to 100 %RH

20 %RH to 80 %RH

yes (some listings)

3.3 Vdc typ.

industry-leading long term stability, reliability, and relative humidity accuracy; lowest total cost solution; energy efficient; available with or without hydrophobic filter and condensation-resistance; optional one or two %RH level alarm outputs



Honeywell HumidIcon™ HIH8000

digital output-type relative humidity (RH) and temperature sensor combined in same package

±2.0 %RH typ.

±0.8°C typ.

-40°C to 125°C [-40°F to 257°F]

-

I²C or SPI

SIP 4 Pin or SOIC-8 SMD

6 s typ. in 20 l/min minimum airflow

±1.2 %RH for five years

0 %RH to 100 %RH

10 %RH to 90 %RH

yes (some listings)

3.3 Vdc typ.

industry-leading long term stability, reliability, and relative humidity accuracy; lowest total cost solution; energy efficient; available with or without hydrophobic filter and condensation-resistance; optional one or two %RH level alarm outputs