

# Temperature Sensors

## Honeywell HIH SERIES THERMAL SENSORS

RoHS Compliant This product is RoHS compliant.

NEW PRODUCT

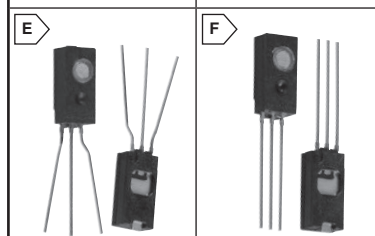
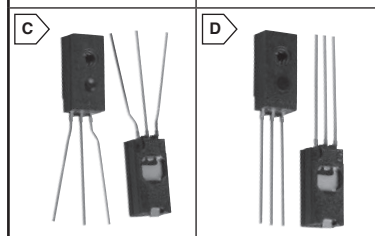
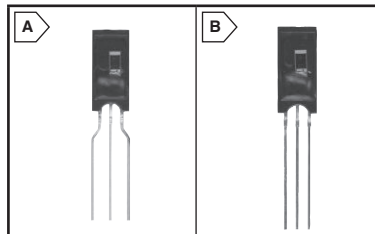


### Humidity Sensors

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Package Type	Operating Temp. Range	Operating Humidity Range	Interchangeability	Price Each		
							1	10	25
785-HIH-4000-001	HIH-4000-001	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	18.89	17.92	17.03
785-HIH-4000-002	HIH-4000-002	B	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	18.53	17.57	16.70
785-HIH-4000-003	HIH-4000-003	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	24.41	19.41	18.11
785-HIH-4010-001	HIH-4010-001	A	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	16.82	15.08	14.35
785-HIH-4010-002	HIH-4010-002	B	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	16.89	16.01	14.88
785-HIH-4020-001	HIH-4020-001	C	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	27.48	26.08	24.79
785-HIH-4020-002	HIH-4020-002	D	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	26.95	25.57	24.31
785-HIH-4020-003	HIH-4020-003	C	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	30.66	29.10	27.66
785-HIH-4021-001	HIH-4021-001	E	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	31.86	30.24	28.74
785-HIH-4021-002	HIH-4021-002	F	1.27mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	31.24	29.65	28.18
785-HIH-4021-003	HIH-4021-003	E	2.54mm SIP	-40°C to 85°C	0-100%RH	0-59% RH ±5%	23.38	22.17	21.08
785-HIH-4030-001	HIH-4030-001	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	13.68	10.47	9.89
785-HIH-4030-003	HIH-4030-003	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	15.51	12.85	11.47
785-HIH-4031-001	HIH-4031-001	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	15.77	12.88	11.45
785-HIH-4031-003	HIH-4031-003	G	SMT	-40°C to 85°C	0-100%RH	0-59% RH ±5%	16.50	15.10	14.02
785-HIH-4602-A	HIH-4602-A	H	TO-5	-40°C to 85°C	0-100%RH	0-59% RH ±5%	107.25	102.99	97.88
785-HIH-4602-C	HIH-4602-C	H	TO-5	-40°C to 85°C	0-100%RH	0-59% RH ±5%	59.18	51.66	49.31
785-HIH-4602-L	HIH-4602-L	H	TO-39	-40°C to 85°C	0-100%RH	0-59% RH ±5%	40.97	38.85	36.94
785-HIH-5030-001	HIH-5030-001	G	SMT	-40°C to 85°C	0-100%RH	2% RH	11.01	8.05	7.54
785-HIH-5031-001	HIH-5031-001	G	SMT	-40°C to 85°C	0-100%RH	2% RH	13.00	10.50	9.75
785-HIH-6130-021-001	HIH-6130-021-001	I	SOIC-8 SMD	-25°C to 85°C	0-100%RH	0 %RH to 59%	14.89	13.92	13.03
785-HIH-6131-021-001	HIH-6131-021-001	I	SOIC-8 SMD	-25°C to 85°C	0-100%RH	0 %RH to 59%	16.89	15.92	15.03
785-HIH6130-000-001	HIH6130-000-001	J	SOIC-8 SMD	-25°C to 85°C	0-100%RH	10-90% RH +/-5%	14.89	13.92	13.03
785-HIH6131-000-001	HIH6131-000-001	J	SOIC-8 SMD	-25°C to 85°C	0-100%RH	10-90% RH +/-5%	16.89	15.92	15.03
785-HIH-6120-021-001	HIH-6120-021-001	J	SIP 4 Pin	-25°C to 85°C	0-100%RH	10-90% RH +/-5%	27.24	25.65	24.18
785-HIH-6121-021-001	HIH-6121-021-001	J	SIP 4 Pin	-25°C to 85°C	0-100%RH	10-90% RH +/-5%	31.24	29.65	28.18



## Honeywell 3455RC REDI-TEMP SERIES CERAMIC AUTOMATIC RESET THERMOSTATS

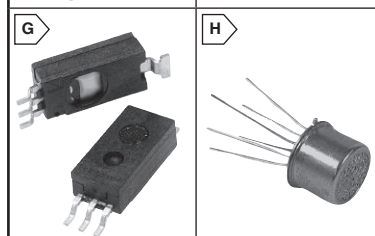
- Cost effective
- High temperature
- Voltage-120Vac/240Vac
- Rivet sleeve construction
- High current
- Operating Temperature Range: 0°C to 260°C (32°F to 500°F)
- High profile
- Amperage: 15A/10A resistive max.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Function	Open Temp.	Close Temp.	Price Each		
						1	10	50
785-3455RC01000228	3455RC 01000228	K	Opens	62.8°C (145°F)	46.1°C (115°F)	39.75	37.46	35.12
785-3455RC01000230	3455RC 01000230	K	Opens	73.9°C (165°F)	57.2°C (135°F)	45.06	42.46	38.32
785-3455RC01000232	3455RC 01000232	K	Opens	85.0°C (185°F)	68.3°C (155°F)	42.78	41.62	34.44
785-3455RC01000234	3455RC 01000234	K	Opens	96.1°C (205°F)	78.9°C (174°F)	43.63	38.97	35.12
785-3455RC01000235	3455RC 01000235	K	Opens	101.7°C (215°F)	85.0°C (185°F)	42.78	38.21	34.44
785-3455RC01000237	3455RC 01000237	K	Opens	112.8°C (235°F)	96.1°C (205°F)	43.63	38.97	35.12
785-3455RC01000241	3455RC 01000241	K	Opens	146.1°C (295°F)	129.4°C (265°F)	44.33	41.61	36.90
785-3455RC01000242	3455RC 01000242	K	Opens	157.2°C (315°F)	135.0°C (275°F)	42.46	38.97	35.12



## Honeywell 3100 SERIES HERMETIC THERMOSTATS

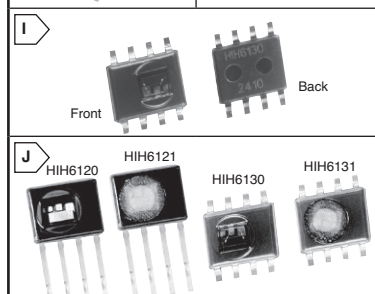
- Hermetically sealed
- Voltage-120Vac
- Tight tolerances
- Operating Temperature Range: 29°C to 260°C (-20°F to 500°F)
- Tight differentials
- Amperage: 3A resistive max.



RoHS Compliant

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MOUSER STOCK NO.	Honeywell Part No.	Fig.	Function	Open Temp.	Close Temp.	Price Each		
						1	25	50
785-3100U00031433	3100U 00031433	L	Opens	15.6°C (60°F)	4.4°C (40°F)	65.12	59.20	52.96
785-3100U00031456	3100U 00031456	L	Closes	15.6°C (60°F)	26.7°C (80°F)	69.13	63.30	60.36
785-3100U00031435	3100U 00031435	L	Opens	26.7°C (80°F)	15.6°C (60°F)	57.97	54.29	49.57
785-3100U00031457	3100U 00031457	L	Closes	26.7°C (80°F)	37.8°C (100°F)	63.97	60.29	55.57
785-3100U00031440	3100U 00031440	L	Opens	54.4°C (130°F)	43.3°C (110°F)	75.20	71.09	57.67
785-3100U00031444	3100U 00031444	L	Opens	76.7°C (170°F)	65.6°C (150°F)	71.20	67.09	53.67
785-3100U00031448	3100U 00031448	L	Opens	98.9°C (210°F)	85.0°C (185°F)	93.71	86.89	77.09
785-3100U00031452	3100U 00031452	L	Opens	121.1°C (250°F)	107.2°C (225°F)	71.20	67.09	53.67



## Honeywell 6655 SERIES ON-SURFACE TEMPERATURE SENSORS

The 6655 Series On-Surface Temperature Sensors are low-cost, thermistor-based temperature sensors that use Honeywell's compact, low-profile, 12.70mm (0.5") thermostat package.



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MOUSER STOCK NO.	Honeywell Part No.	Fig.	Thermistor Type	Resistance (Ω)	Tolerance	R-T Curve	Price Each		
							1	25	50
785-6655-90980004	6655-90980004	M	NTC	12,000	±5.0%	12	6.49	6.27	5.68
785-6655-90980006	6655-90980006	M	NTC	10,000	±10.0%	16	6.25	5.88	5.05
785-6655-91000001	6655-91000001	M	NTC	10,000	±10.0%	16	6.73	6.38	5.78
785-6655-97100901	6655-97100901	N	NTC	10,000	±10.0%	16	6.61	6.39	5.79
785-6655-99580003	6655-99580003	O	NTC	10,000	±10.0%	16	6.89	6.65	6.03
785-6655-99600003	6655-99600003	M	NTC	10,000	±10.0%	16	6.23	6.02	5.46

## measurement SPECIALTIES TSYS01 DIGITAL TEMPERATURE SENSORS

- Features:
- High Accuracy ±0.1°C @ Temp.: -5°C to +50°C
- Adjustment of high accuracy temperature range on request
- Low Current: <12.5 μA (standby <0.14 μA)
- SPI/I2C Interface
- Small Package: QFN16
- Operating Temperature Range: -40°C to +125°C

- Applications:
- Industrial Control
- Replacement of Thermistors and NTCs
- Heating/Cooling Systems
- HVACR



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MOUSER STOCK NO.	MSI Part No.	Fig.	Package Type	Operating Temperature Range	Interface	Price Each		
						1	10	25
824-TSYS01	TSYS01	P	QFN16	-40°C to +125°C	SPI / I2C	10.40	9.22	8.76

