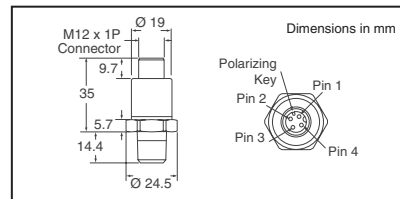


Fig.	Compression/Tension Range (Lbf)	Excitation (VDC)	Output Span Voltage @ ±5% Tolerance	Storage/Operating Temperature Range	Digi-Key Part No.	1	Price Each	10	100	Measurement Part No.
1	10	3.3 - 5.0	0.5 - 4.5 V	-40°C - 85°C	MSP6948-ND	55.61	44.79	34.38	34.38	FC2231-0000-0010-L
	25	3.3 - 5.0	0.5 - 4.5 V	-40°C - 85°C	MSP6949-ND	55.61	44.79	34.38	34.38	FC2231-0000-0025-L
	50	3.3 - 5.0	0.5 - 4.5 V	-40°C - 85°C	MSP6950-ND	55.61	44.79	34.38	34.38	FC2231-0000-0050-L
2	250	5.0	10.0 mV/V	-40°C - 85°C	MSP6952-ND	111.56	86.19	69.98	69.98	FC2311-0000-0250-L
	500	5.0	10.0 mV/V	-40°C - 85°C	MSP6953-ND	111.56	86.21	69.98	69.98	FC2311-0000-0500-L
	1000	5.0	10.0 mV/V	-40°C - 85°C	MSP6954-ND	111.56	86.19	69.98	69.98	FC2311-0000-1000-L
	2000	5.0	10.0 mV/V	-40°C - 85°C	MSP6955-ND	111.56	86.21	69.98	69.98	FC2311-0000-2000-L

Senstronics Sensors with Temperature Output

Senstronics Storm Series is a unique product providing a lifetime of accuracy for combined pressure/temperature applications used in harsh media requiring stainless steel wetted parts. The 17-4PH stainless steel sensor design allows for a wide range of temperature and provides a rugged design that can withstand high levels of shock and vibration. **Specifications:** • 1/4 NPTF **Note:** Mating harness included with each sensor.



Operating Pressure Range (PSIG)	Operating Temp. Range	Output Voltage	Supply Voltage Range (V)	Digi-Key Part No.	Price Each	Senstronics Part No.
250	-40°C - 125°C	.5 - 4.5	8 - 30	ST00638-ND	52.80	ST00638
500	-40°C - 125°C	.5 - 4.5	8 - 30	ST00223-ND	52.80	ST00223

HUMIREL measurement SPECIALTIES Sensors

The relative humidity sensors by Humirel are based on capacitive cell technology using a patented solid polymer structure. They are fully interchangeable with no calibration required in standard conditions. Suitable for linear voltage or frequency output circuitry. An NTC thermistor is used for temperature measurement. The RH modules are based on the HS1101LF capacitive humidity sensor and are voltage output devices. The RH/Temperature modules include a NTC thermistor for temperature measurement and are voltage or frequency output.

Features: • High reliability and long term stability • Instantaneous desaturation after long periods in saturation conditions • Fast response times • Patented solid polymer structure

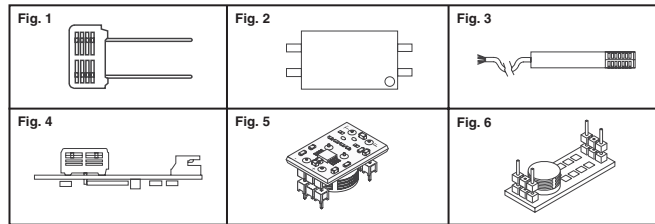


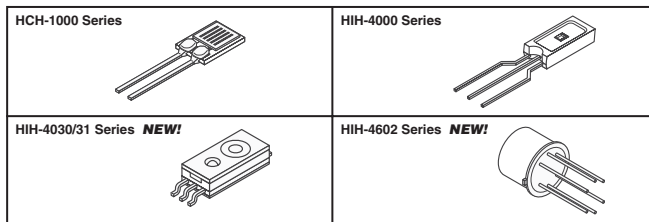
Fig.	Description	Supply Voltage (Typ.)	Nom. Cap. @ 55% RH	Response Time	Nominal Out	RH Measuring Range	Operating Temperature	Digi-Key Part No.	1	10	100	Price Each	
Sensors - RoHS Compliant													
1	RH Sensor Side Opening	5V	180pF	—	—	1 - 99% RH	-60°C - 140°C	HS1101LF-ND	13.11	11.63	9.84		
2	Temp./RH Sensor SMD Side Opening	5V	180pF	10 Sec.	—	1 - 99% RH	-60°C - 140°C	HTS2030SMD-ND	20.25	17.96	15.19		
Modules													
3	Temp./RH Module Voltage Output	5V	—	—	2.48V @ 55% RH	1 - 99% RH	-30°C - 70°C	HTM2500-ND	72.55	64.78	51.82		
4	Temp./RH Module Freq. Output JST Conn.	5V	—	10 Sec.	8750 Hz @ 55% RH	0 - 99% RH	-30°C - 80°C	HTF3226LF-ND	19.63	18.45	14.76		
5	Temp./RH Module Frequency Output Mini	5V	—	10 Sec.	6600 Hz @ 55% RH	0 - 100% RH	-40°C - 85°C	HTF3000LFPVH-ND	22.98	21.60	17.28		
6	Temp./RH Module Voltage Output Analog	5V	—	10 Sec.	2.48V @ 55% RH	0 - 100% RH	-40°C - 100°C	HTM1735LF-ND	30.62	28.78	23.02		
Demo Kit includes: 1 x HM1500, 1 x HM1510*, and 5 x HS1101									HDEMOKIT-ND	135.50	—	—	

* RoHS Compliant * HM1510 - HM1500 with socket at tip to accept HS1101 to test interchangeability

Honeywell Sensing and Control Capacitive Humidity Sensors

HCH-1000 Series humidity sensor is a capacitive polymer sensor designed for relative humidity measurement. **Features:** • Polymer sensing offers enhanced resistance against contamination • Enhanced sensitivity and accuracy, fast response **Operating Temperature Range:** -40°C - 120°C **Operating Humidity Range:** 0% - 100% **HIH-4000 Series** humidity sensors are designed specifically for high volume OEM users. **Features:** • Molded thermoset plastic housing • Near

linear voltage output vs % RH **Operating Temperature Range:** -40°C - 85°C **Operating Humidity Range:** 0% - 100% **HIH-4600-AC Series** relative humidity sensors combine both relative humidity and temperature sensing in a TO-5 housing with a hydrophobic sintered stainless steel filter. **Features:** • Near linear voltage output vs %RH • Chemically resistant • Built-in static protection • TO-5 housing



Nom. Cap. (Typ.) @ 55% RH	Sensitivity pF/% RH Min. / Max.	Response Time Sec. (Typ.)	Digi-Key Part No.	1	Price Each	10	100	Honeywell Part No.
HCH-1000 Series								
330pF	0.55/0.65	15	480-2903-ND	4.82	3.36	2.76	—	HCH-1000-001
			480-2904-ND	4.84	3.44	2.82	—	HCH-1000-002

Supply Voltage (Vdc) Min. / Max.	Accuracy % RH Min. / Max.	Response Time Sec. (Typ.)	Digi-Key Part No.	1	Price Each	10	100	Tape & Reel Pricing 1,000	Honeywell Part No.
HIH-4000 Series									
4/5.8	-3.5/+3.5	15	480-2905-ND	17.50	14.17	11.88	—	—	HIH-4000-001
			480-2906-ND	20.03	15.75	13.60	—	—	HIH-4000-003
NEW! HIH-4030 Series NEW!									
4/5.8	-3.5/+3.5	5	480-3166-1-ND†	56.25	43.25	36.25	6500.00	—	HIH-4030-001S
			480-3167-1-ND†	58.50	44.98	37.70	6760.00	—	HIH-4030-003S
NEW! HIH-4031 Series NEW!									
4/5.8	-3.5/+3.5	5	480-3168-1-ND†	60.75	46.71	39.15	7020.00	—	HIH-4031-001S
			480-3169-1-ND†	63.00	48.44	40.60	7280.00	—	HIH-4031-003S
NEW! HIH-4602 Series NEW!									
4/5.8	-3.5/+3.5	50	480-3178-ND	46.99	39.16	35.25	—	—	HIH-4602-C

† Cut Tape ‡ For Tape & Reel part number, change 1-ND to 2-ND.

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digkey.com