



Please contact Sensoronix for more detailed information on the standard sensors listed below.
All products are custom designed to meet your exact specification requirements.

PART #	MECHANICAL SPECIFICATIONS							ELECTRICAL SPECIFICATIONS					ENVIRONMENT		
	A	B	C	D	E	F	G	INPUT VOLTAGE (VDC)	INPUT CURRENT (mA)	V OUT HIGH (VDC)	V OUT LOW (VDC)	OUTPUT CURRENT (mA)	PULL UP RESISTOR (K Ohm)	FRONT SEALED	TEMP RANGE (°C)
1/4" Diameter Series															
HS220-300	2	1/4 - 28	2.00	1.75	303 S.S.	72 ± 5	20 AWG, LEAD WIRES W/ TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 150
HS220-400	2	1/4 - 40	1.13	0.88	303 S.S.	12	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-20 to 150
HS220-410	2	1/4 - 40	1.50	0.63	303 S.S.	24 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	5.5 to 36	12	5.0	0.4	20 Sink	4.7	303 S.S.	-20 to 85
5/16" Diameter Series															
HS130-300	1	5/16 - 24	1.50	1.50	303 S.S.	12 ± 1	22 AWG LEAD WIRES W/ PVC INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 90
HS130-400	1	5/16 - 24	1.50	1.50	303 S.S.	12 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-20 to 150
HS130-410	1	5/16 - 24	1.50	1.50	303 S.S.	36 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.4	25 Sink	Open	Epoxy	-20 to 150
3/8" Diameter Series															
HS030-300	0	3/8	1.40	-	Alum.	6 ± 25	26 AWG LEAD WIRES W/ PVC INS.	4.5 to 24	10	V Input	0.4	15 Sink	2	Epoxy	-25 to 90
HS030-400	0	3/8	2.50	-	Alum.	12 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.4	15 Sink	2	Epoxy	-25 to 105
HS230-200	2	3/8 - 24	1.48	1.23	303 S.S.	36 ± 3	MATES W/ MS3108A	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-20 to 105
HS230-400	2	3/8 - 24	1.48	1.23	303 S.S.	36 ± 3	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-20 to 105
HS230-410	2	3/8 - 24	1.48	1.23	303 S.S.	36 ± 3	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-20 to 125
HS230-420	2	3/8 - 24	1.50	1.25	303 S.S.	36 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-20 to 150
HS230-430	2	3/8 - 24	1.50	1.25	303 S.S.	12	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-20 to 150
HS230-440	2	3/8 - 24	2.81	2.56	303 S.S.	24 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 150
HS230-450	2	3/8 - 24	1.50	1.25	303 S.S.	36	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.6	25 Sink	Open	303 S.S.	-20 to 100
HS230-460	2	3/8 - 24	1.50	1.25	303 S.S.	12 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 120
HS530-200	5	3/8 - 24	2.70	2.25	303 S.S.	36 ± 5	DEUTSCH: DT04-3P	4.5 to 24	10	V Input	0.4	25 Sink	Open	303 S.S.	-25 to 85
HS530-400	5	3/8 - 24	1.25	1.25	303 S.S.	36 ± 3	28 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	303 S.S.	-25 to 85
HS530-410	5	3/8 - 24	2.70	2.25	303 S.S.	72 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-20 to 125
1/2" Diameter Series															
HS140-300	1	1/2 - 32	1.00	1.00	303 S.S.	12 ± 5	26 AWG LEAD WIRES W/ PVC INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 100
HS140-400	1	1/2 - 32	1.00	1.00	303 S.S.	12 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 100
7/16" Diameter Series															
HS150-410	1	7/16 - 20	1.75	1.75	303 S.S.	24 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.6	25 Sink	Open	303 S.S.	-40 to 105
1/2" Diameter Series															
HS050-300	0	1/2	1.11	-	Alum.	8 ± 25	26 AWG LEAD WIRES W/ PVC INS.	4.5 to 18	10	V Input	0.4	13 Sink	2	Epoxy	-25 to 100
HS050-400	0	1/2	1.00	-	303 S.S.	36 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.8 to 18	10	V Input	0.4	13 Sink	2	Epoxy	-40 to 105
HS150-200	1	1/2 - 20	2.56	2.56	303 S.S.	12 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS. AND CONN. M12x1, 4 PINS	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 150
HS150-400	1	1/2 - 32	1.25	1.25	303 S.S.	9 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.8 to 18	10	V Input	0.4	13 Sink	2	Epoxy	-40 to 105
HS150-410	1	1/2 - 20	2.56	2.56	303 S.S.	24 ± 5	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 150
HS150-420	1	1/2 - 32	1.25	1.25	303 S.S.	120 ± 2	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.8 to 24	10	V Input	0.6	13 Sink	2	Epoxy	-40 to 105
							22 AWG, 3 CON. CBL. W/ TEFF. INS. AND CONN.								
HS750-200	7	565	1.33	1.08	303 S.S.	4 ± 5	DELPHI: 12129615	4.5 to 24	14	V Input	0.4	25 Sink	Open	303 S.S.	-40 to 125
HS750-400	7	545	1.18	1.18	Alum.	12 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	303 S.S.	-40 to 125
5/8" Diameter Series															
HS160-120	1	5/8 - 18	6.00	6.00	303 S.S.	4 ± 50	18 AWG, 5XL LEAD WIRES AND DEUTSCH CONN. DT04-3P	4.5 to 24	12	V Input	0.6	20 Sink	4.7	303 S.S.	-25 to 125
HS160-400	1	5/8 - 18	6.00	6.00	303 S.S.	120 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-25 to 125
HS360-210	3	5/8 - 18	2.50	2.00	303 S.S.	9 ± 5	CBL. W/ CONN. BRAD HARISON OR TURCK MCTO CHANGE	4.5 to 24	9	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 100
HS360-220	3	5/8 - 18	2.72	2.14	303 S.S.	72 ± 2	22 AWG, 3 CON. CBL. W/ PVC INS. AND PACKARD CONN. 1201 0717	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 125
HS360-400	3	5/8 - 18	2.72	2.14	303 S.S.	72 ± 2	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 125
HS360-410	3	5/8 - 18	2.50	2.00	303 S.S.	36	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 125
HS460-000	4	5/8 - 18	3.27	2.14	303 S.S.	-	3 PINS AMPHENOL CONN. MATE W/ MS3108A	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-25 to 125
HS460-010	4	5/8 - 18	5.13	4.04	303 S.S.	-	3 PINS AMPHENOL CONN. MATE W/ MS3108A	4.5 to 24	15	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 125
HS460-020	4	5/8 - 18	2.33	1.20	303 S.S.	-	3 PINS AMPHENOL CONN. MATE W/ MS3108A	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-25 to 125
HS460-050	4	5/8 - 18	2.96	1.87	303 S.S.	-	3 PINS AMPHENOL CONN. MATE W/ MS3108A	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-25 to 125
HS460-080	4	5/8 - 18	3.27	2.14	303 S.S.	-	3 PINS AMPHENOL CONN. MATE W/ MS3108A	5.5 to 36	9	5.0	0.6	20 Sink	4.7	Epoxy	-20 to 125
							22 AWG, 3 CON. CBL. W/ TEFF. INS. AND CONN. M12X1, 4 PINS								
HS560-200	5	5/8 - 18	3.00	2.63	303 S.S.	12 ± 50	CONN. M12X1, 4 PINS	4.5 to 24	10	V Input	0.4	20 Sink	4.7	303 S.S.	-25 to 125
HS560-400	5	5/8 - 18	2.50	2.13	303 S.S.	480 ± 2	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	Epoxy	-25 to 125
HS560-410	5	5/8 - 18	3.00	2.63	303 S.S.	72 ± 2	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.4	20 Sink	4.7	303 S.S.	-25 to 125
3/4" Diameter Series															
HS070-400	0	3/4	3.00	-	303 S.S.	300 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.8 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 105
HS270-200	2	3/4 - 16	4.00	3.37	303 S.S.	12 ± 1	22 AWG, 3 CON. CBL. W/ PVC INS. AND DEUTSCH CONN. DT04-3P	5.5 to 36	12	V Input	0.4	20 Sink	4.7	Epoxy	-40 to 105
HS270-300	2	3/4 - 16	2.34	2.00	Alum.	3 ± 5 ± 5	18 AWG LEAD WIRES W/ PVC INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 105
HS270-400	2	3/4 - 16	2.34	2.00	303 S.S.	120 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.8 to 24	10	V Input	0.6	25 Sink	Open	Epoxy	-40 to 105
HS270-410	2	3/4 - 16	4.00	3.68	Alum.	72 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.8 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 105
HS270-420	2	3/4 - 16	2.34	2.00	Alum.	36 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 105
HS270-430	2	3/4 - 16	2.30	1.87	Alum.	8 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	5.5 to 24	9	V Input	0.4	20 Sink	4.7	Epoxy	-20 to 100
HS270-440	2	3/4 - 16	3.00	2.66	Alum.	36 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	5.5 to 24	9	V Input	0.4	50 Sink	4.7	Epoxy	-40 to 105
HS270-450	2	3/4 - 16	3.00	2.57	Alum.	240 ± 3	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	5.5 to 24	75	V Input	0.4	150 Sink	4.7	Epoxy	-40 to 105
HS470-020	4	3/4 - 16	3.12	2.00	303 S.S.	-	4 PINS CONN. M12 X 1, 4 PINS	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 105
HS570-200	5	3/4 - 16	4.50	4.10	303 S.S.	12 ± 1	3 PINS AMPHENOL CONN. MATE W/ MS3108A	5.5 to 36	9	5.0	0.6	20 Sink	4.7	303 S.S.	-40 to 105
HS570-210	5	3/4 - 16	4.50	4.10	303 S.S.	6 ± 5	22 AWG, 3 CON. CBL. W/ TEFF. INS. AND CONN. M12 X1, 4 PINS	5.5 to 36	15	V Input	0.4	50 Source	4.7	303 S.S.	-40 to 107
HS570-220	5	3/4 - 16	3.00	2.80	303 S.S.	6 ± 5	22 AWG, 3 CON. CBL. W/ TEFF. INS. AND CONN. M12 X1, 4 PINS	5.5 to 36	15	V Input	0.4	50 Source	4.7	303 S.S.	-40 to 107
M12 Diameter Series															
HS312-300	3	M12 x 1.0	2.58	1.80	303 S.S.	12 ± 25	26 AWG LEAD WIRE W/ PVC INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 100
HS312-400	3	M12 x 1.0	2.58	1.80	303 S.S.	24 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. PVC INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	Epoxy	-40 to 100
HS312-410	3	M12 x 1.0	3.08	2.00	303 S.S.	39 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-40 to 125
M18 Diameter Series															
HS218-200	2	M18 x 1.5	2.80	2.05	303 S.S.	39 ± 5	22 AWG, 3 CON. CBL. W/ PVC INS. AND CONN. DEUTSCH: DT04-3P	5.5 to 36	15	V Input	0.4	50 Source	4.7	303 S.S.	-40 to 125
HS218-400	2	M18 x 1.5	2.80	0.98	303 S.S.	48 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	10	V Input	0.6	20 Sink	4.7	303 S.S.	-30 to 140
HS218-410	2	M18 x 1.5	2.36	2.05	303 S.S.	48 ± 1	22 AWG, 3 CON. CBL. W/ SHLD. TEFF. INS.	4.5 to 24	15	V Input	0.4	50 Source	4.7	303 S.S.	-40 to 140
HS218-420	2	M18 x 1.5	2.80	2.05	303 S.S.	39 ± 5	22 AWG, TEFF. CBL. W/ DEUTSCH CONN.	5.5 to 36	15	V Input	0.4	50 Source	4.7	303 S.S.	-40 to 125