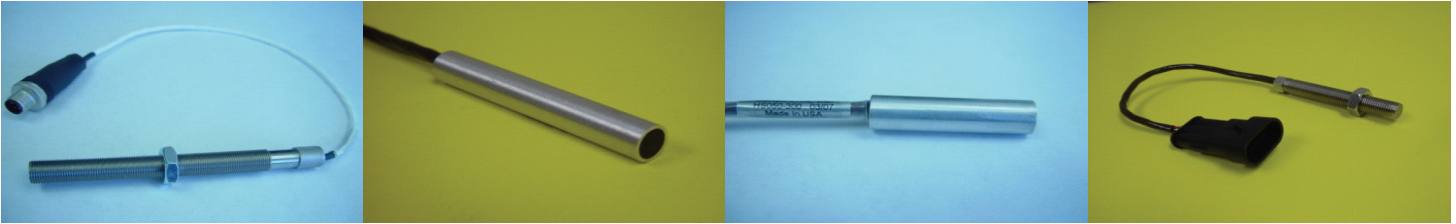
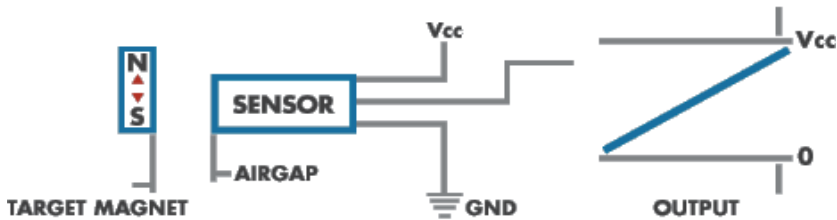


Hall-Effect Displacement Sensor W/ Linear Output (HL)



Non-contact magnetic sensors that are designed to respond to a wide range of positive or negative magnetic fields and can sense relatively small changes in a magnetic field. By having magnet as a target, this unit produces a Ratiometric Rail-To-Rail linear output. It also has an internal amplifier to boost the output to a higher level. These sensors are ideal for applications such as magnetic flux measurement, displacement, and linear output rotary measurement.

Common Applications: Magnetic Flux measurement, Displacement, Linear output rotary measurement.

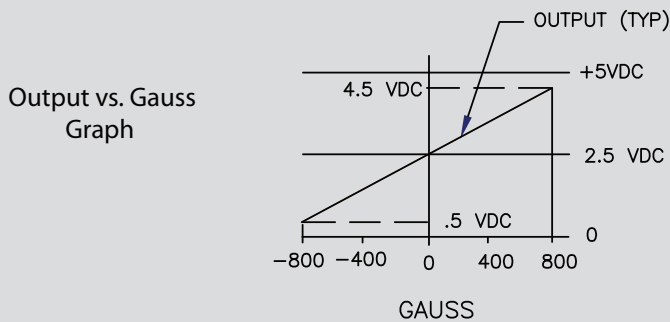


CASE TYPES	DESCRIPTION	A
	SMOOTH	0
	ALL THREAD	1
	HEX HEAD	2
	KNURL HEAD	3
	CONNECTOR HEAD	4
	WRENCH FLAT HEAD	5
	SMOOTH / THREAD	6
	WITH FLANGE	7

Target: Magnet

Output Type: Ratiometric Analog (linear)

Input Voltage: 5 VDC (unless otherwise specified)

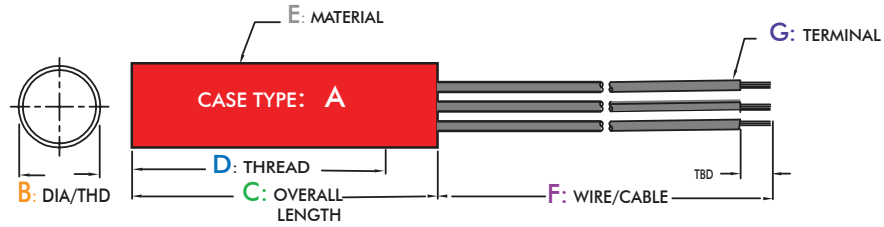


Part Number Nomenclature

Sensor Type	HL	X	X	X	-	X	X	Special Modifications
Case Type "A"								Terminal "G"
Case Diameter "B"								Connector 0
1/4" (0.250")	2X,	Others	9X					Conn. & Wire 1
3/8" (0.375")	3X,	M-12	12					Conn. & Cable 2
15/32" (0.468")	4X,	M-16	16					Lead Wires 3
1/2" (0.500")	5X,	M-18	18					Cable 4
5/8" (0.625")	6X,	M-20	20					
3/4" (0.750")	7X,	M-22	22					
7/8" (0.875")	8X							

Standard (HL) Products Available

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



Products P/N	MECHANICAL SPECIFICATIONS							ELECTRICAL SPECIFICATIONS					ENVIRONMENT	
	A	B	C	D	E	F	G	INPUT Voltage (VDC)	INPUT Current (mA)	V Out @ 0 G 5 V Input	Sensitivity (mV/G)	OUTPUT Current (mA)	Linearity % of Span MAX	TEMPERATURE RANGE ° C
3/8" Diameter Series														
HL030-400	0	3/8	1.40	-	Alum.	24 ± .5	22 AWG PVC CABLE	4.5 To 10.5	9	2.5 ± .175	2.5 ± .1	1.5	-1.5	-40 To 100
1/2" Diameter Series														
HL050-400	0	1/2	1.00	-	303 S.S.	36 ± 1	22 AWG PVC CABLE	4.5 To 10.5	9	2.5 ± .175	2.5 ± .1	1.5	-1.5	-40 To 100
5/16" Diameter Series														
HL130-400	1	5/16 - 24	1.50	1.50	303 S.S.	12 ± 1	22 AWG TEF. CABLE	4.5 To 10.5	9	2.5 ± .175	2.5 ± .1	1.5	-1.5	-40 To 125
M 12 Diameter Series														
HL112-400	1	M12 x .75	.95	.95	Alum.	98 ± 3	22 AWG PVC CABLE	4.5 To 10.5	9	2.5 ± .175	2.5 ± .1	1.5	-1.5	-40 To 100
M 18 Diameter Series														
HL108-200	1	M8 x 1	1.50	1.50	303 S.S.	31.5	22 AWG PVC CABLE W/ MOLEX CONN.	4.5 To 10.5	9	2.5 ± .175	2.5 ± .1	1.5	-1.5	-40 To 100

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
* SEALED FRONT