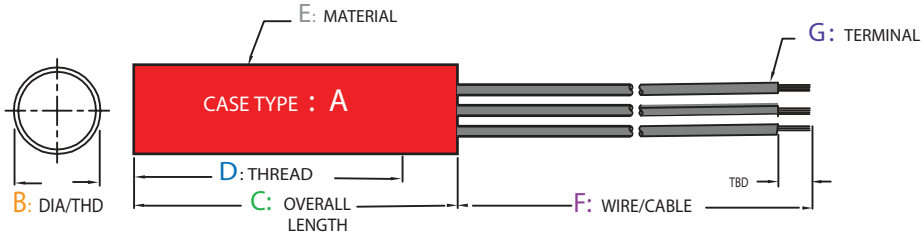
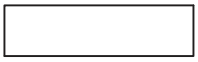
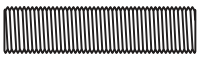
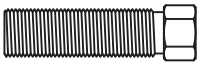
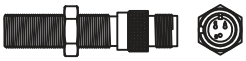
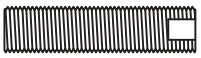
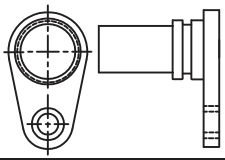
HL Part Number Nomenclature

The standard part number includes the sensor type, case type, case diameter, terminal type as well as any special modifications.
Please contact Sensoronix if you need more detailed information.



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

HL X X X - X X 0

Linear Position Sensor

Case Type

Case Diameter “B”

1/4" (0.250")	2X
3/8" (0.375")	3X
15/32" (0.468")	4X
1/2" (0.500")	5X
5/8" (0.625")	6X
3/4" (0.750")	7X
7/8" (0.875")	8X
Others	9X

METRIC	
M-8	08
M-12	12
M-16	16
M-18	18
M-20	20
M-22	22

Terminal “G”

Connector	0
Conn. & Wire	1
Conn. & Cable	2
Lead Wires	3
Cables	4

Vary With Special Modifications

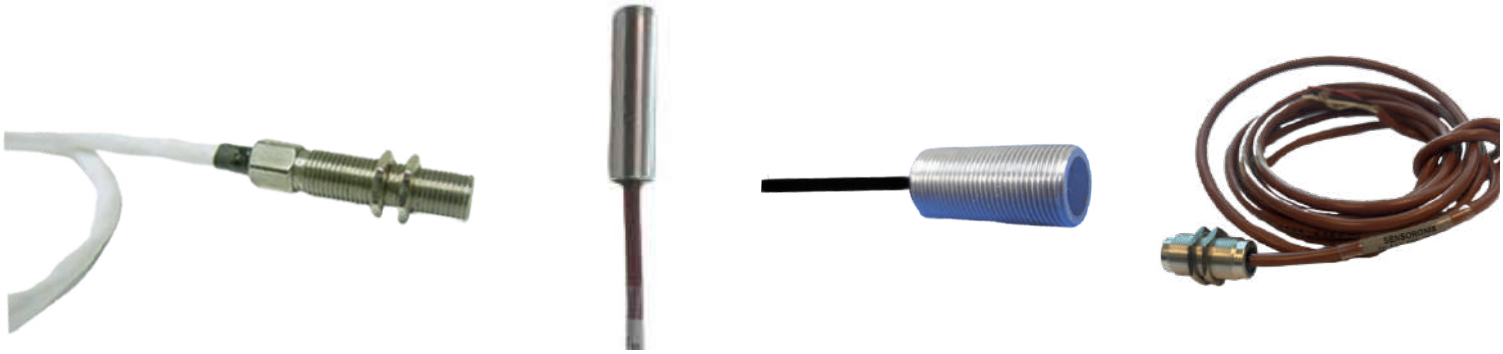
Fixed Number (0)

AS9100 CERTIFIED ISO 9001

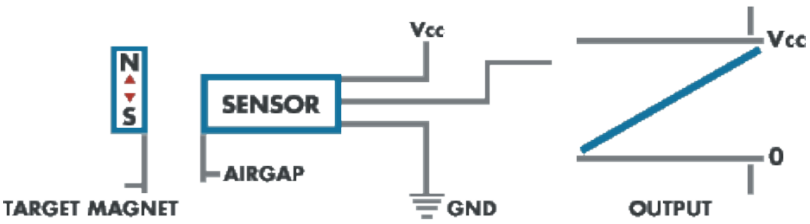
MADE IN USA

Sensoronix, Inc. - Tel: (949)528-0906 - Fax: (949)385-4958 - Email: Sales@Sensoronix.com - www.Sensoronix.com

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 Ratio-metric 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.

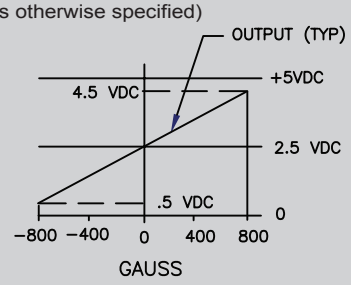


Target: Magnet

Output Type: Ratiometric Analog (linear)

Input Voltage: 5 VDC (unless otherwise specified)

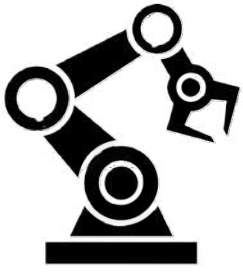
Output vs. Gauss Graph



Example of Common Applications

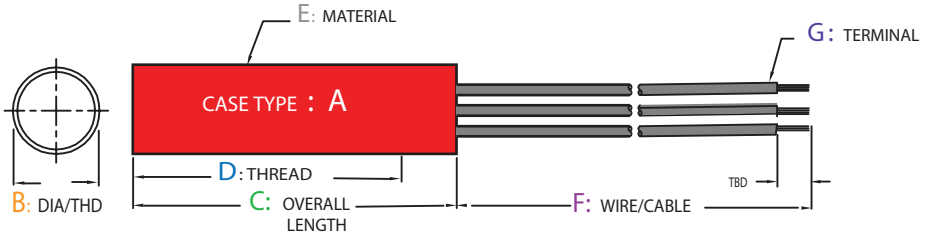
Aerospace, Biotech & Robotic

Applications: Centrifuge, Medical Equipment, ABS Brakes System Position, Antenna Position, Angle Position Sensing, Fan Control, Test Equipment, Chemical Dispensing Equipment.



Sensoronix, Inc. - Tel: (949)528-0906 - Fax: (949)385-4958 - Email: Sales@Sensoronix.com - www.Sensoronix.com

Standard (HL) Products Available



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						ENVIROMENT	
	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	FRONT SEALED	TEMP RANGE (°C)
1/4" Diameter Series																
HL120-400	1	1/4 - 28	1.00	1.00	303 S.S.	2 ± .3	22 AWG, 3 CON. CBL. W/ SHLD, PVC INS.		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	Epoxy	-40 to 100
5/16" Diameter Series																
HL130-400	1	5/16 - 24	1.50	1.50	303 S.S.	12 ± 1	22 AWG, 3 CON. CBL. W/ TEFF. INS.		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	Epoxy	-40 to 125
3/8" Diameter Series																
HL030-400	0	3/8	1.40	-	Alum.	24 ± . 5	22 AWG, 3 CON. CBL. W/ SHLD, PVC INS.		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	Epoxy	-40 to 100
HL230-400	2	3/8 - 24	1.50	1.25	303 S.S.	120 ± 1	22 AWG, 3 CON. CBL. W/ SHLD, TEFF. INS.		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	303 S.S.	-55 to 100
1/2" Diameter Series																
HL050-400	0	1/2	1.00	-	303 S.S.	36 ± 1	22 AWG, 3 CON. CBL. W/ SHLD, PVC INS.		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	Epoxy	-40 to 100
M8 Diameter Series																
HL108-200	1	M8 x 1.0	1.50	1.50	303 S.S.	31.5 ± 1	22 AWG, 3 CON. CBL. W/ SHLD, PVC INS. AND MOLEX CONN: 35507-0300		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	Epoxy	-40 to 100
M12 Diameter Series																
HL112-400	1	M12 x .75	0.95	0.95	Alum.	98 ± 3	22 AWG, 3 CON. CBL. W/ SHLD, PVC INS.		4.5 to 10.5	9	2.5 ± .175	2.5 ± .100	1.5	-1.5	Epoxy	-40 to 100

AS9100 CERTIFIED ISO 9001

MADE IN USA

Sensoronix, Inc. - Tel: (949)528-0906 - Fax: (949)385-4958 - Email: Sales@Sensoronix.com - www.Sensoronix.com