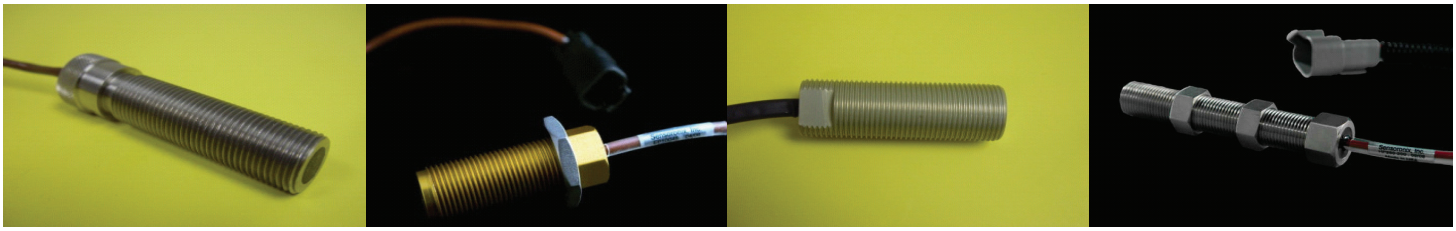
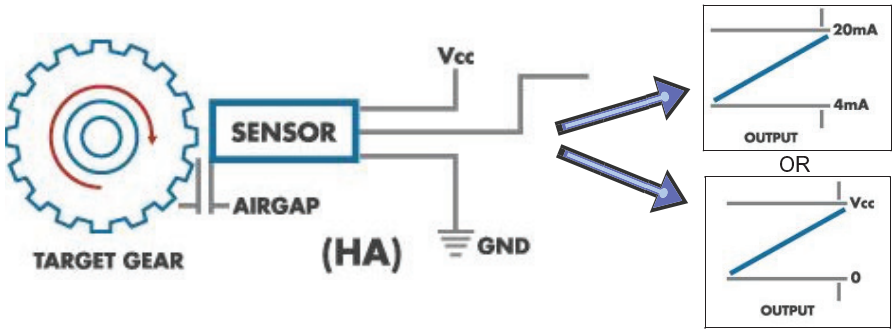
Hall-Effect Speed Sensor W/ Linear Output (HA)



Non-contact linear speed magnetic sensors that uses Hall effect technology to measure the velocity of a rotating object. This sensor is a complex device with signal conditioning that is powered and provides a 4 - 20 mA or a 0 - 10 VDC linear output for velocity measurement.

Common Applications: Wind velocity meter measurement, Radar speed measurement, 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: Ferrous Material Gear Tooth with range of Min 4 to 32 Gear Pitch.

$$P = \frac{N + 2}{OD}$$

P = Gear Pitch
N = Num. of Teeth
OD = Outside Diameter

Frequency: 15 KHZ Max

Output Type: Analog (Linear) Output Speed Sensor

PROTECTIONS

Short circuit: Lead to Lead

Supply overvoltage: 40 VDC

Reverse polarity: -50 V reverse transient.

Load Dump: 60 V

Part Number Nomenclature

H A X X X - X X X

Sensor Type

Case Type "A"

Case Diameter "B"

1/4" (0.250")	2X,	Others	9X
3/8" (0.375")	3X,	M-12	12
15/32"(0.468")	4X,	M-16	16
1/2" (0.500")	5X,	M-18	18
5/8" (0.625")	6X,	M-20	20
3/4" (0.750")	7X,	M-22	22
7/8" (0.875")	8X		

Special Modifications

Output: 0 - 10 VDC	10
Output: 4 - 20 mA	20

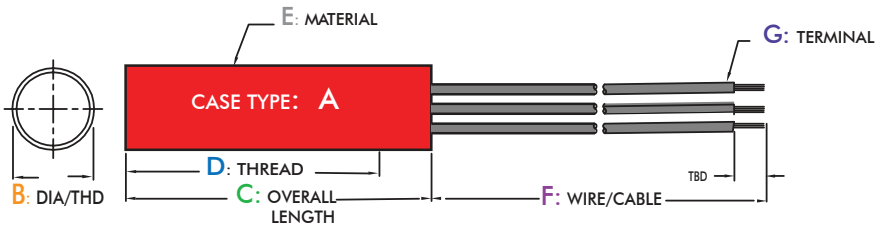
Terminal "G"

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

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

Standard (HA) 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)	OUTPUT Range	OUTPUT Current (mA)	Frequency Range (Hz)	Sensitivity (mV/Hz)	TEMPERATURE RANGE ° C
5/8" Diameter Series														
HA260-410	2	5/8 - 18	3.31	3.00	303 S.S.	120 ± 3	22 AWG PVC CABLE	24	35	0 – 10 VDC	10	0 To 2500	50	0 To 85
HA360-410	3	5/8 - 18	2.72	2.14	303 S.S.	72 ± 3	22 AWG PVC CABLE	10 to 24	26	0 – 10 VDC	10	0 To 500	50	0 To 85
HA260-420	2	5/8 - 18	3.30	3.00	Alum.	120 ± 3	22 AWG PVC CABLE	24	26	4 – 20 mA	10	0 To 83	.8	0 To 85
HA261-420	2	5/8 - 18	3.31	3.00	303 S.S.	396 ± 3	22 AWG PVC CABLE	24	26	4 – 20 mA	10	0 To 4300	.8	0 To 85
HA360-420	3	5/8 - 18	2.72	2.14	303 S.S.	72 ± 3	22 AWG PVC CABLE	24	35	4 – 20 mA	10	0 To 500	.8	0 To 85
3/4" Diameter Series														
HA270-410	2	3/4 - 16	2.34	2.00	Alum.	72 ± 3	22 AWG PVC CABLE	24	26	0 – 10 VDC	10	0 To 200	50	0 To 70
HA270-420	2	3/4 - 16	2.34	2.00	Alum.	72 ± 3	22 AWG PVC CABLE	24	26	4 – 20 mA	10	0 To 1000	.8	0 To 70
HA271-420	2	3/4 - 16	2.34	2.00	Alum.	120 ± 3	22 AWG PVC CABLE	24	26	4 – 20 mA	10	0 To 50	.8	0 To 70
M18 Diameter Series														
* HA118-420	1	M18 x 1.5	3.31	3.13	303 S.S.	80 ± 3	22 AWG PVC CABLE	24	26	4 – 20 mA	10	0 To 50	.8	0 To 70
M22 Diameter Series														
* HA222-220	2	M22 x 1.5	3.31	3.00	303 S.S.	118 ± .5	22 AWG TEF. CABLE W/ DEUTCH CONN.	24	35	4 – 20 mA	10	0 To 133	.8	-20 To 95

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

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