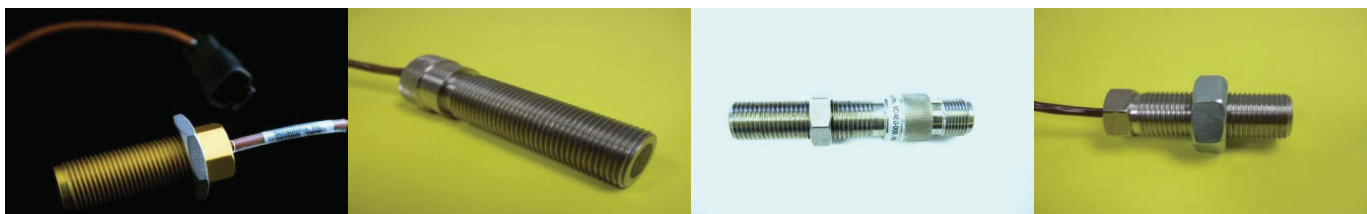
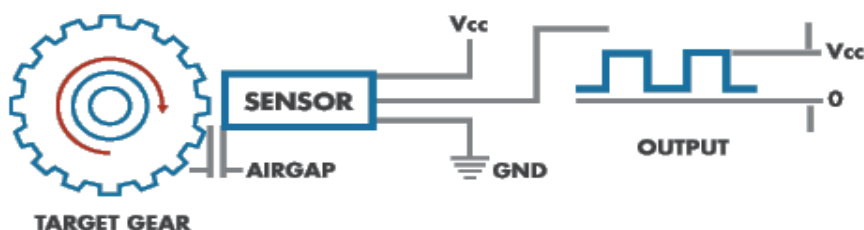


# Variable Reluctance Speed Sensor W/ Digital Output (VD)



Due to the active solid state signal conditioning integral with this variable reluctance speed sensor, it converts a sine wave signal output to produce a digital square wave signal with constant amplitude regardless of variations in speed.

**Common Applications:** Flowmeter measurement, Transmission speed, Wheel speed.



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

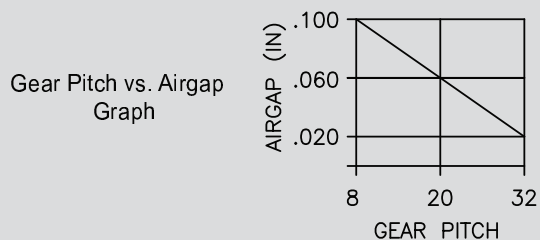
Target: Ferrous Material Gear Tooth with range of Min 4 to 32 Gear Pitch.

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

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

Frequency: 15 kHz Max

Output Type: Digital (Squar wave), TT compatible /

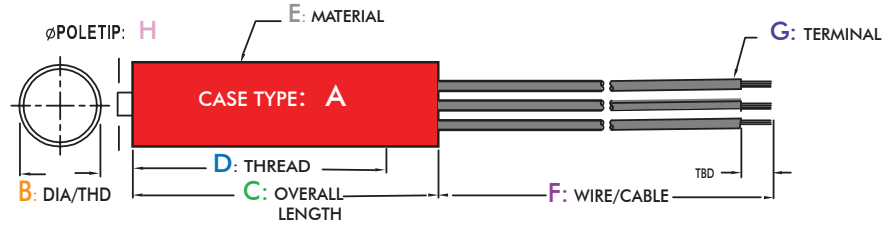


## Part Number Nomenclature

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

# Standard (VD) 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	H	INPUT Voltage (VDC)	INPUT Current (mA)	V Out High (VDC)	V Out Low (VDC)	OUTPUT Current (mA)	Pull-up Resistor (K Ohm)	TEMPERATURE RANGE ° C
<b>3/4" Diameter Series</b>															
VD270-400	2	3/4 - 16	3.34	3.00	303 S.S.	120 ± 1	22 AWG SHIELDED CABLE	.093	5.0 To 25	10	V input	0.4	20	2.0	-25 To 80
<b>5/8" Diameter Series</b>															
VD360-400	3	5/8 - 18	2.72	2.14	303 S.S.	72 ± 2	22 AWG SHIELDED CABLE	.093	5.0 To 25	10	V input	0.4	20	2.0	-40 To 125
VD460-000	4	5/8 - 18	3.00	1.88	303 S.S.	-	MS3106 CONNECTOR	.093	5.0 To 25	10	V input	0.4	20	2.0	-25 To 80

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