Typical usage:
Speed sensing of a ferrous target (gear tooth, blade tip, etc.) in a hazardous environment.

Output Voltage (Vpp):
Limited to approximately 1 Vpp by internal diode network.

Air Gap:
.005 to .015" Typical, .25" max. depending on target mass and velocity.

Temp. Class & Range:
T5: -40° to 185° F (-40° to 85° C)  
T6: -40° to 149° F (-40° to 65° C)

Certifications:
IS40 / IS41: Intrinsically Safe (Class I, Div 1 / Class I, Zone 0) for US and Canada
IS40A / IS41A: ATEX Intrinsically Safe (Group II, Category 1G) for European Union
N40 / N41: Non-Incendive / Limited Energy (Class I, Div 2 / Class I, Zone 2) for US and Canada and ATEX Limited Energy (Group II, Category 3G) for European Union

Please contact info@spectecsensors.com for detailed spec-sheets on each sensor family listed.

1/2" 5/8"  Thread Length: .75 - 13.0"(19-330mm)
11/16" 3/4"
M12 M16 M18

K type A type H type

K type A type S type

1/2-14 NPT  1/2-14 NPT

X type Y type

1" HEX

INTRINSICALLY SAFE AND NON-INCENDIVE
Preamplifier for Passive Magnetic Speed Sensors

Certifications: Similar to those shown above for IS40, etc. (see spec-sheet for details)

Please contact info@spectecsensors.com for detailed spec-sheets on each sensor family listed.

Please also see Installation Document 85045 or 85045N for requirements and certification details.

IS4021, IS4021A or N4021
Pulse Amplifier
Multi-output, Noise Canceling
Supply Voltage: 7.5 - 30 VDC
Temp Class & Range:  
Fits in Crouse-Hinds GUAL16 or similar enclosure

IS4033, IS4033A or N4033
Directional Preamp
Speed and directional data
Supply Voltage: 7.5 - 30 VDC
Temp Class & Range:  
Fits in Crouse-Hinds GUAL16 or similar enclosure

IS4027, IS4027A, or N4027
Frequency to Current
Converter 4-20 mA
Supply Voltage: 9 - 30 VDC
Temp Class & Range:  
Fits in Appleton ELBY or similar enclosure (adapter available for Crouse-Hinds GUAL16)

IS4028, IS4028A, or N4028
Frequency to Voltage
Converter 0-5V or 0-10V
Supply Voltage: 12 - 30 VDC
Temp Class & Range:  
Fits in Appleton ELBY or similar enclosure (adapter available for Crouse-Hinds GUAL16)

Single channel preamplifier for use in hazardous environments can be found under IS4022, IS4022A, or N4022.