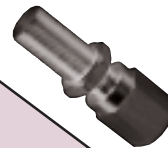


ACTIVE MAGNETIC PICKUPS

Digital Output



Cross Section	Power Supply	Temperature	Pull-up Resistor	Insulation Resistance	Output Connector	Characteristic Curve Group	Third Party Approved	Model No.
		-40°F to +250°F	5 to 15Vdc	2K Ohms	100 M Ω Min. @ 50 Vdc (Pin A to Housing)	Mates With MS3106A-10SL-3S	--	M928
		-40°F to +250°F	5 to 15Vdc	2K Ohms	100 M Ω Min. @ 50 Vdc (Pin A to Housing)	Mates With MS3106A-10SL-3S	--	CSA ⁽⁸⁾ M935

Output Voltage

TTL compatible, 50 ±10% duty cycle.

Logic 0: +0.6V peak maximum with 50 mA sink current.

Logic 1: $R_L \times E_S / R_L + 2 K\Omega$

Power Supply Current

10 mA typical with 10 Vdc power supply.

M928 & M935 Minimum Speed Computation

Use this chart to determine—for a given gear pitch and surface speed—the minimum usable air gap between the M928 or M935 pole piece and the gear being sensed.

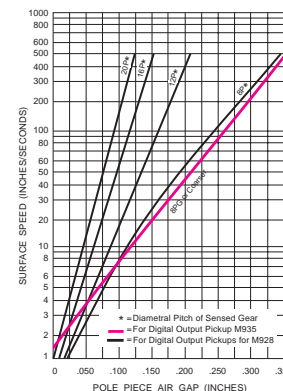
As the air gap value decreases (the pickup is positioned closer to the gear), the minimum speed also decreases.

- Determine the Surface Speed of the gear being sensed by the M928 or M935 pickup. See item 1, page 4 of the pickup brochure for the procedure. Note the value.
- Determine the Diametral Pitch of the gear being sensed. See item 5, page 5 of the pickup brochure for the procedure. Note the value.

- Refer to the legend on the chart at the right, to select either the M928 or M935 curve and:
 - Read ACROSS from the surface speed value until intersecting the slope of the appropriate diametric pitch line.
 - Read DOWN to determine the minimum pickup-to-gear air gap for the application.

NOTE:

- M928: Gears coarser than 6 pitch are acceptable.
- M935: Gears coarser than 8 pitch are acceptable.
- For gears finer than 20 pitch, contact Dynalco sales.



Minimum Speed Chart