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Distribución de componentes eléctricos y electrónicos

Avtron Model HS35M

Magnetic, Hollow Shaft Encoder

Magnetic Durability at a Great Price!

- Fits shafts 1/2" to 1 1/8"
- Simple Installation
- Up to 2048 PPR
- Replaces Competitive Models without Rewiring
- No Solder Industrial EPIC Connector Available
- Fits end of shaft and through shaft applications
- IP65/Nema 4, 13 Rating: Dust and Liquid Tight
- Superior Bearings and Seals
- -20°C to +85°C Operation
- Optional Dual Isolated Outputs
- 2 Year No-Hassle Warranty

HS35M encoders fit shafts from 1/2" to 1 1/8" [12mm to 30mm] easily, using a durable shaft insert. Models from 1/2" to 1" [12mm to 20mm] may be resized by replacing the insert, enabling our factory, distributors, and customer stockrooms to swiftly meet any need. The engineered resin housing is immune to most acids, bases, oils, and other chemicals, and eliminates any possibility of shaft current or grounding problems.

Avtron encoders have superior shaft seals and bearings that stay sealed to keep out contamination caused by temperature cycling and liquid sprays. Our encoder seals are protected by mechanical barriers to prevent flexing or failure.

The HS35M features two large bearings, one at each end of the enclosure for strength and resistance to damage. Many competitors use only a single bearing, or two tiny bearings side by side.

Often, optical encoders fail because of dust or water contamination that prevents the sensor from seeing the optical disk. The HS35M advanced magnetic technology sees through contamination and the fully sealed circuit design ensures your machine keeps working, even in mill environments.

The HS35M offers magnetic performance and moisture resistance, in a compact package, and for a great price. Select an Avtron HS35M and upgrade your machine today!

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AVTRON
QUALITY SYSTEM CERTIFIED TO ISO 9001
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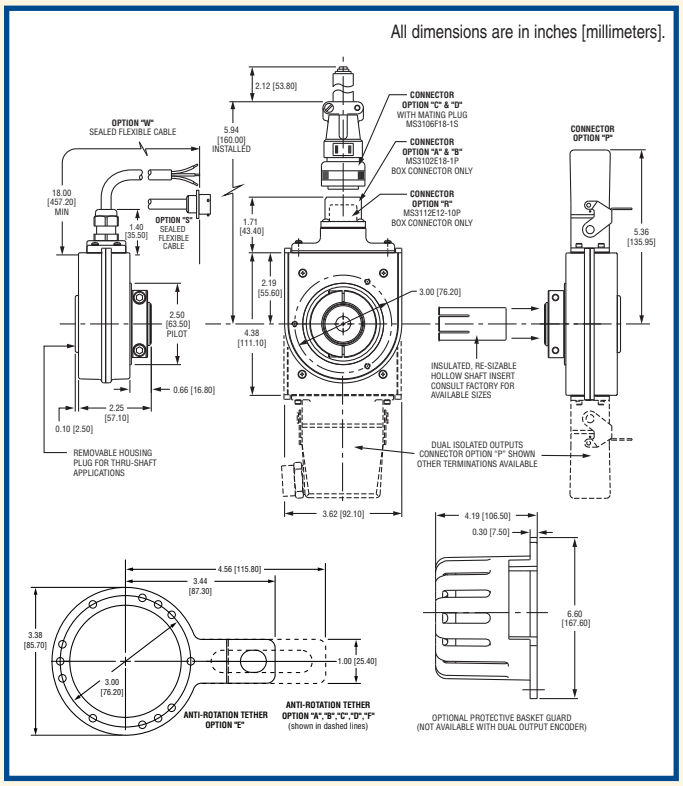
BULLETIN 518 REV. C

HS35M Magnetic Hollow Shaft Encoder (1/2" to 1 1/8") [12mm to 30mm]

OUTLINE DRAWING



Check out our web site for more detailed specifications, drawings, and installation instructions.

www.avtronencoders.com

MORE HS35M ADVANTAGES

- All digital, fully integrated design
- No mechanical adjustments or trim potentiometers
- Innovative shaft ring retains collar during installation
- Advanced sensor technology
- Dual bearings, spaced farther apart, with synthetic lubricant for longer life
- No extra charge for signal complements and marker pulse (A,$\overline{A}$, B,$\overline{B}$, Z,$\overline{Z}$)
- Fully insulated from motor shaft currents
- Models 1/2" to 1" [12mm-20mm] can be resized by interchanging inserts
- Optional basket guard adds even more protection

HS35A SPECIFICATIONS

Operating Power: Volts: 5 - 24 VDC; Current: 80mA, no load

Output Format: A Quad B with marker (A,$\overline{A}$, B,$\overline{B}$, Z,$\overline{Z}$)

Frequency Range: 0 to 165 KHz

PPR: 1 - 2048 standard (for other PPR needs, consult factory)

Speed: 4700 RPM Max., (for higher speeds, consult factory)

Temperature: -20° to 85°C

Environmental: IP65; Nema 4, 13 Rating

Vibration: 5-2000Hz

Shock: 50G, 11mS duration

Weight: Single: 1.4 lbs. [635 g] Dual: 2.0 lbs. [905 g]

CE **Pending**

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SELECTION GUIDE

HS35M PART NUMBERS AND AVAILABLE OPTIONS

Model	Left & Right Output Range*	Line Driver	Bore Size	Connector Options	Mounting Style	Protection	Anti-Rotation Tether Options	Channels	Special Features
HS35M	**A-** 1 **F-** 60 **G-** 100 **H-** 120 **K-** 200 **L-** 240 **M-** 250 **N-** 256 **P-** 300 **E-** 360 **Q-** 500 **R-** 512 **S-** 600 **U-** 720 **V-** 900 **W-** 1000 **Y-** 1024 **Z-** 1200 **1-** 1250 **2-** 1440 **3-** 2000 **4-** 2048 **X-** None **0-** Special * up to 2048 PPR available	**6-** 5-24VDC (7272) **8-** 5-15VDC (4125) **9-** 5-24VDC in, 5V out (7272)	**0-** Non-Std. **B-** 1/2" **P-** 12mm **C-** 5/8" **R-** 15mm **D-** 3/4" **S-** 16mm **E-** 7/8" **W-** 20mm **F-** 1"^ **Y-** 25mm^ **G-** 1 1/8"^ **3-** 30mm^ **U-** U.S. Universal (all inserts, 1/2"-1") **Z-** Metric (all inserts, 12mm-20mm) ^ No insert used for Options "F", "G", "Y", "3"	**A-** 10 pin MS w/o plug (Standard phasing) **B-** 10 pin MS w/o plug (Dynapar HS35 phasing) **C-** "A" w/ plug **D-** "B" w/ plug **P-** Industrial EPIC w/ plug **R-** 10 pin mini MS w/o plug **S-** "R" on 18" cable **V-** "P" w/o plug **W-** 18" flex. cable **Z-** Industrial EPIC w/ plug (18" cable)	**U-** Universal End-of-Shaft & Thru Shaft	**0-** None **1-** Basket** ** Not applicable on dual output	**X-** None **A-** Fan cover, 1/4-20 **B-** Fan cover, 5/16-18 **C-** Fan cover, 3/8-16 **D-** Fan cover, all **E-** 4.5" or 6.75" C-Face **F-** 8.5" C-Face **G-** Torque Arm **M-** 4.5" C-Face or Fan Cover **U-** Universal (all tether options, excluding "G")	**A-** A,$\overline{A}$ B,$\overline{B}$ Z,$\overline{Z}$	**00-** None

All dimensions are in inches [millimeters].
Specifications and features are subject to change without notice.

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