

# Avtron RAHS35M Encoders



## Mill Duty Magnetic Hollow Shaft Encoder

### Reliance Brand Magnetic Encoder

- | Replaced by HS35M, no rewiring needed
  - | Fit shafts 1/2" to 1 1/8"
    - | Up to 3072 PPR
- | No-Solder EPIC Connector Option
- | Fit end of shaft and through shaft applications
  - | -20°C to +85°C Operation

### RAHS35M

RAHS35M encoders were private-branded versions of the Avtron HS35M. HS35M replaces this model directly with no shaft modification and no connector changes.

For increased reliability, upgrade to the HS45--also fits the same shaft and same electrical connector with no modifications.

Check our [cross reference page](#) to update to [HS35M](#) or [HS45](#).

## OUTLINE DRAWING

Check out our website for more detailed specifications, drawings, and installation instructions. [www.avtronencoders.com](http://www.avtronencoders.com)

## MORE RAHS35M ADVANTAGES

- | All digital design; no adjustments or potentiometers
- | Models 1/2" to 1" [12mm-20mm] can be resized by interchanging inserts
- | Optional basket guard adds even more protection

## RAHS35M SPECIFICATIONS

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

**Output Format:** A Quad B with marker (A,A-, B,B-, Z,Z- )

**Frequency Range:** 0 to 165 KHz

**PPR:** 1 - 3072 standard

**Speed:** 4700 RPM Max.

**Temperature:** -20° to 85°C

**Environmental:** IP65; Nema 4, 13 Rating

**Vibration:** 5-2000Hz, 20Gs

**Shock:** 50G, 11mS duration

**Weight:** 1.4 lbs. [635 g]

**Certifications:** CE

All dimensions are in inches [millimeters].

Specifications and features are subject to change without notice.

## SELECTION GUIDE



Nidec-Avtron Makes the Most Reliable Encoders in the World

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