Avtron M4 Large-Bore Encoders

Magnetic Hollow Shaft Mount
Heavy Mill Duty Encoder, 1 1/2" to 2 3/8" [48-60mm]

Step up to Magnetic Durability!

- Heavy Mill Duty
- Immune to water, oil, dust & dirt
- Up to 1200 PPR
- No couplings required
- Heavy duty seals
- Rugged cast housing
- Available in thru and end of shaft models
- Fits large shafts directly
- 1 Year No-Hassle Warranty

M4

Avtron M4 large bore heavy mill duty magnetic hollow shaft encoders fit motor or load shafts from 1 1/2" to 2 3/8" [48-60mm]. Looking for M4-1 or M4-2 or small-bore M4 models--these have been replaced by AV485 and HS45 upgrade models respectively. Use our cross reference page for these models.

Forget tiny hollow shaft optical units that require shaft reduction and special protection! M4 magnetic heavy duty encoders can accommodate up to a 2 3/8" shaft directly and are designed for use in mill environments with water, oil, moisture, dust, and dirt.

The M4 magnetic sensor system is far more durable than optical sensors. M4 encoders offer a large variety of connector and mounting options to replace virtually any existing encoder or tachometer. Upgrade to an M4 encoder for maximum uptime!
M4 SPECIFICATIONS

Operating Power:
5-24 VDC, 5-18V, 12-24V; Current 120mA, no load
Output Format: A.A–, B.B–; Optional Marker Z.Z–
Frequency Range: 0 to 100 KHz
PPR: 240-1200
Speed:
5000 RPM Max. Std., shafts 1 1/2" to 1 5/8" [38mm-41mm]
3600 RPM Max. Std., shafts 2" to 2 3/8" [48mm-60mm]
(for higher speeds, consult factory)
Temperature: -40° to 85°C (-40° standard)
Chemical: Polyurethane enamel paint protects against salt spray, mild acids, and bases
Weight: 7 lbs.

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

Check out our website for more detailed specifications, drawings, and installation instructions. www.avtronencoders.com