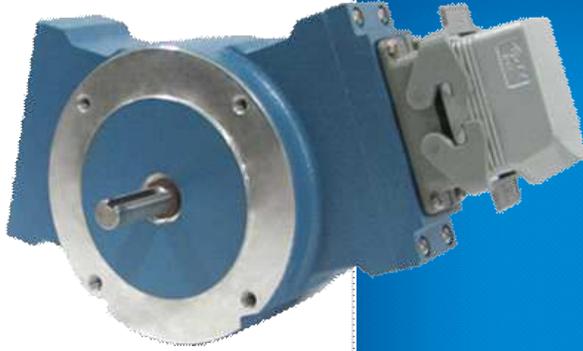


# Avtron AV485 SMARTach II™ Encoders



**Severe Mill Duty Magnetic Encoder; Foot or NEMA 56C Face Mount, 5/8" Solid Shaft**

## Tougher and Smarter! AV485

- | Severe Mill Duty
- | Up to 5000 PPR
- | Replaces Competitive Models Without Rewiring
- | Self-Diagnostic LED & Alarm Output
  - | Foot or NEMA 56C Face Mount
  - | Removable Sensors
  - | IP66 Enclosure
  - | High-Power Output Standard
- | Outputs Fully Short Circuit Protected
  - | Optional Dual Isolated Outputs

AV485 SMARTach II severe duty magnetic encoders can be foot or NEMA 56C face/flange mounted. They feature our largest bearings on an ultra-wide stance for pulley and other rough applications. Also available: [AV685](#) for hollow shaft mounting, and [AV850](#) encoders for complete flowerpot/flange/coupling elimination.

The AV485 is designed to withstand the worst environments: buried in slag, coated in pulp, sprayed with salt water or cutting coolants, it keeps working. The modular, gull-winged design makes it easy to install and service; the base can be bolted in place without removing the encoder, and the AV5 wide-gap removable sensors require no adjustment or shimming.

The sensors are fully potted to protect against liquids, and are interchangeable between AV850, AV485, and AV685 encoders. Of course, they drive long cable lengths, and offer full protection against wiring errors. A second backup output is available with the same or different PPR, and offers completely separate electronics for maximum uptime.

The LED on an AV485 is much more than a green power light. It offers a diagnostic look inside the encoder. The self-tuning electronics assure you of proper duty cycle and phasing—no more false drive trips.

For easy upgrades, the AV485 matches the bolt pattern and shaft location of older analog and digital models.

Keep your mill running today, and for years to come: install AV485!

