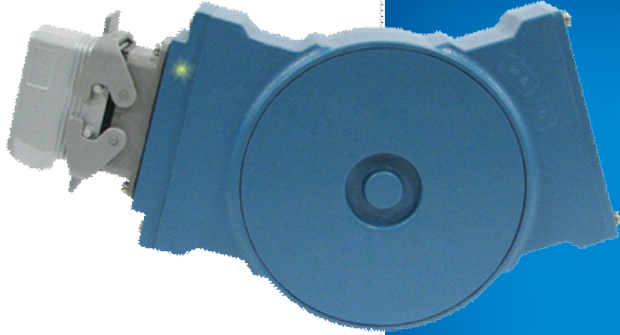


# Avtron XR485 SMARTSafe™ Encoders



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

## Hazardous Duty Shafted Encoder for Severe Environments

- Severe Mill Duty
- ATEX/IECEx Rated for Zone 1, 2, 21 & 22 Applications
  - Foot or NEMA 56C Face Mount
  - Fully Potted Electronics
  - Up to 5000 PPR
- Self-Diagnostic LED and Alarm Output
  - 1 Year No-Hassle Warranty
- cULus Class I Div 1 Groups A,B,C,D
  - cULus Class I Zone 0 Group IIC
- cULus Class I Div 2 Groups A,B,C,D

## XR485

XR485 SMARTSafe solid shaft encoders are a breakthrough in hazardous duty encoders for NEMA C-face and foot mount applications. They are ATEX/IECEx and UL approved and offer incredibly reliable construction! SMARTSafe encoders can be used in ATEX/IECEx gas and dust and UL gas hazardous environments. Also available: hollow shaft models (XR45, XR47, XR685), Euro shafted models (XR4F), no-bearing modular encoders (XR56, XR67, XR85, XR115, XR125, XR850), and modular sensors (XR5, XR12).

For Level 2 applications requiring ATEX/IECEx Zone 2 or 22 or UL Class I, Division 2, Groups A,B,C,D, use the XR485 directly in your application, with no barrier, isolator or cable gland required.

For Level 1 applications requiring ATEX/IECEx Zone 1 or 21 use the XRB1 or XRB2 isolator in your control cabinet which permits the use of intrinsically safe wiring instead of explosion proof conduit or glands. XRB2 Isolator Systems enable use in Class I Div 1 and Zone 0 applications.

Unlike the competition, Avtron SMARTSafe encoder systems are fully protected against short circuits, power-to-output wiring, and output-to-ground faults at every point. Wiring errors won't harm this system!

Instead of depending on a tiny optical encoder with weak bearings use XR485. Vibration, shock, liquids, dust and dirt won't harm SMARTSafe XR485 encoders! Paint booths, draw works, coil tubing rigs...XR485 can keep them all working 24-7-365.

Eliminate encoder failures in your hazardous environment application-select XR485 today!

