Absolute Analog Multi-Turn Rotary Shaft Encoder

DC425 Series

Features
- Analog (Current or Voltage) Output
- 5/8” Stainless Steel Shaft
- IP67 Rated; Superior Durability
- Ideal for High-Shock Environments

Capabilities
Provides analog current or analog voltage output over single or multiple (1 to 1,000) turns.

The perfect choice for extreme operating conditions with continuous mechanical shock & vibration, and exposure to air or liquid-born contaminants - where failure is not an option.

Visit www.amci.com to learn about these capabilities, and more.

*Specifications on back
### Absolute Analog Multi-Turn Rotary Shaft Encoder

#### DC425 Mechanical Specifications:
- **Shaft Style:** 5/8” diameter 303 stainless steel
- **Housing:** Aluminum
- **Shaft Loading:** (Foot/Front Mount versions) 100 lbs. radial/50 lbs. axial maximum shaft loading. Bearing life rated at \(2 \times 10^9\) revolutions minimum at maximum shaft load.
- **Package Style:** 4.25” diameter housing available with face, foot, or motor mounting
- **Moment of Inertia:** (Foot/Front Mount versions) \(20.00 \times 10^{-4}\) oz-in-sec\(^2\)

#### DC425 Electrical Specifications:
- **Output Type:** Current Output -or- Voltage Output
- **Power Requirements:** 18 to 30Vdc | 3.75W maximum
- **Available Number of Turns for Full Scale Output:** (not field selectable) 1, 2, 4, 5, 10, 20, 25, 40, 50, 100, 200, 250, 500, 1,000

#### DC425 Environmental Specifications:
- **Enclosure:** IP67 Rated (valid only with working shaft seal & properly installed plastic hole plugs)
- **Shock:** 50G’s for 11mSec
- **Vibration:** 15 G’s to 2,000 Hz

#### DC425 Applications:
- Steel
- Waste Water
- Gantry
- Draw Bridge