

APPLICATION SOLUTIONS: **Smart CDR™**

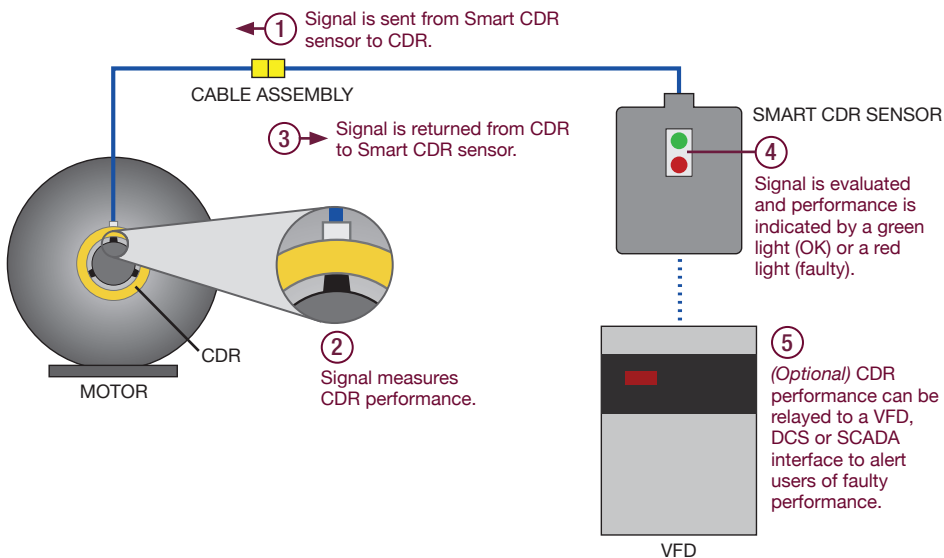
INCREASE RELIABILITY WITH INTELLIGENT SHAFT GROUNDING

The Inpro/Seal® Smart CDR™, the latest development in shaft grounding technology, provides users with instant feedback on the performance of the CDR® (Current Diverter Ring®) in diverting shaft currents away from bearings to ground.

The use of Variable Frequency Drives (VFDs) continues to increase across industries due to their ability to reduce energy consumption. However, these systems can produce harmful shaft currents that are the leading cause of premature bearing failure in VFD-driven motors. Shaft grounding devices such as the Inpro/Seal CDR protect bearings from these harmful currents, but only if there is proper contact.

The Smart CDR includes an innovative condition monitoring system that measures CDR performance. The simple interface alerts users in real time if there is not optimal contact between grounding brushes and the shaft. If contact has been interrupted, routine maintenance can be performed to return shaft grounding to peak performance, thus preventing bearing failure.

HOW IT WORKS



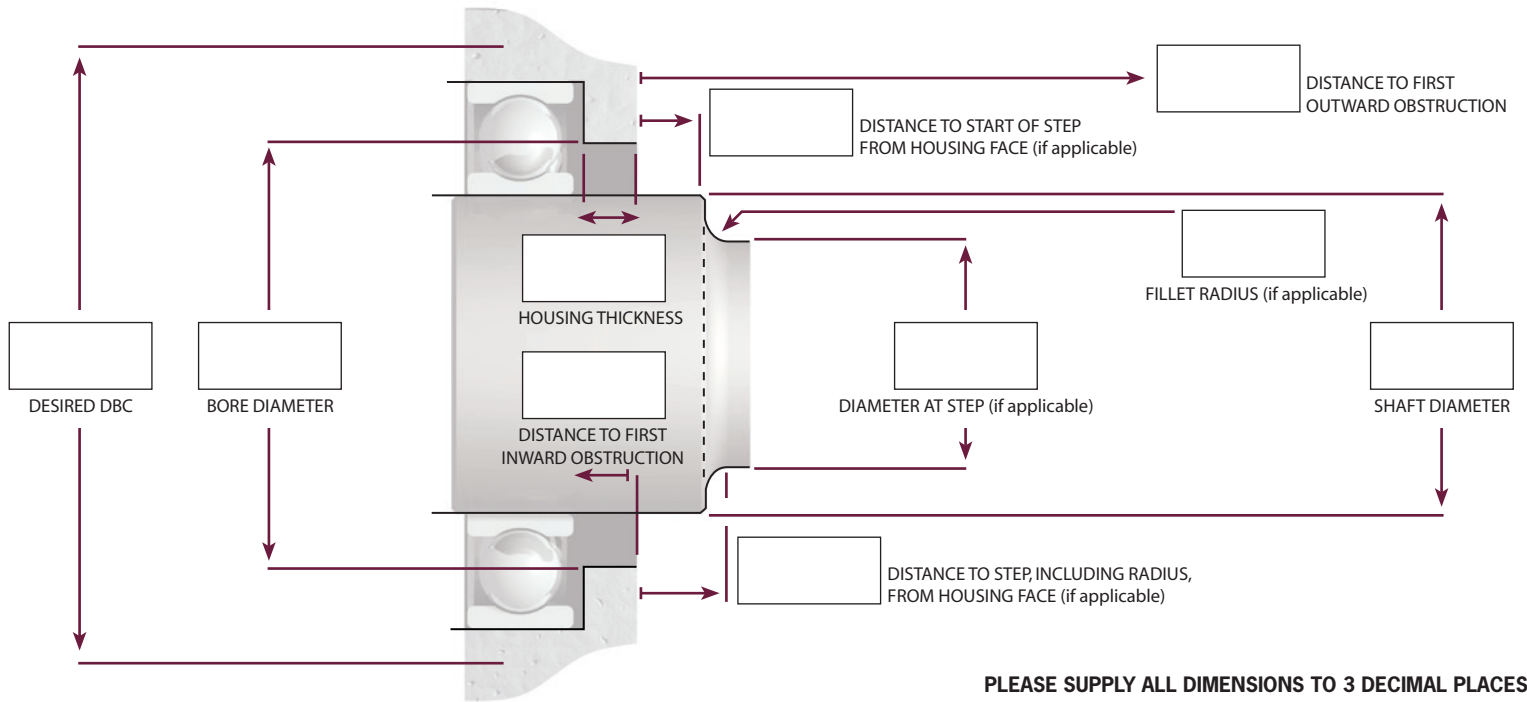
FACTS AT A GLANCE

The Inpro/Seal® Smart CDR™:

- uses proven CDR® technology to safely divert harmful shaft currents away from the bearings to ground.
- provides users with instant feedback on shaft grounding performance.
- can be set up in manual mode, where performance status must be checked manually, or auto mode, where performance status is relayed to a VFD, DCS or SCADA interface.
- can be installed using multiple mounting configurations, including clip-on, epoxy, bolt-through, side-mount and flexbracket.



SMART CDR™ REQUEST FOR QUOTE



PLEASE SUPPLY ALL DIMENSIONS TO 3 DECIMAL PLACES

Data Needed For Quote

SMART CDR INFO

APPLICATION: Motor- Frame Size _____ HP _____
 Other _____

DRIVE TYPE: N/A Mains VFD **VOLTAGE:** _____

EXISTING GROUNDING DEVICE: _____ None

SHAFT POSITION: Horizontal Vertical Up Vertical Down

BEARING TYPE: Drive End (DE)- Ball Sleeve Roller Insulated
 Opposite Drive End (ODE)- Ball Sleeve Roller Insulated

PLANNED CDR® LOCATION: ODE DE Both

MOUNTING: Clip-On Epoxy Bolt-Through
 Side-Mount Flexbracket

LUBE: Oil (level) _____ Grease Oil Mist Forced Oil System

FIRST OBSTRUCTION: Outward Inward Step On Shaft

SHAFT SPEED: _____

TEMPERATURE AT RING: °C | °F Min _____ Max _____

ENVIRONMENT: _____

RING TYPE: Solid Split

CONSTRUCTION MATERIAL: Bronze Other _____

TOTAL PIECES OF EQUIPMENT: _____

CONTACT FOR QUESTIONS: _____

SMART CDR SENSOR INFO

IS 24 VDC AVAILABLE? Y N

DO YOU REQUIRE WIRES? Y N

If yes, what type and how much wire is needed?

2 Core- _____ (ft | m)

4 Core- _____ (ft | m)

DO YOU REQUIRE CABLE ASSEMBLY? Y N

BRIEFLY DESCRIBE THE APPLICATION

Fax RFQ sheet to 309-787-6114 or email info@inpro-seal.com