

Model 343 Flux Coil

- *Reduces safety concerns*
- *Easy to mount*
- *Eliminates need for current clamp in most cases*
- *Detection of electrical faults in motors*
- *Complete electrical analysis of motors*
- *Easily integrates to new or existing vibration programs*



The CSI Model 343 flux coil is designed for use with CSI machinery analyzers to detect stray flux generated by electric motors. Except for the initial calibration and possible verification, the use of the 343 flux coil eliminates the need for current clamp measurements. The flux coil captures flux signals which provide an electrical “quality” signature.

This electrical signature is sensitive to conditions which alter the electrical characteristics of the motor, such as broken rotor bars, eccentricity, imbalance between phases, and stator faults.

Consistent placement of a flux coil on the axial outboard end of the motor is critical for obtaining reliable and trendable maintenance information. A non-flexible, hardened casing protects the coil and assures optimum performance in the field.

Flux readings are acquired and automatically stored in the analyzer. Spectra of these measurements may be permanently stored, trended, or analyzed for alarms in the AMS Suite: Machinery Health Manager Application. In addition, flux measurements may be used for induction motor analysis using MotorView II software.

Technical Specifications:

Dimensions:

Inner Diameter: 8 inches

Outer Diameter: 9 inches

Components:

3 mounting brackets with 1/4-28 threaded holes for use with
CSI 905A magnets

BNC connector

Accessories:

- Three CSI 905A magnets (Included)
- A661 cable (BNC to BNC)
- MotorView II Software

Ordering Information:

To order this product, please specify part number:

A03430A

A03430B = 6.5" version

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