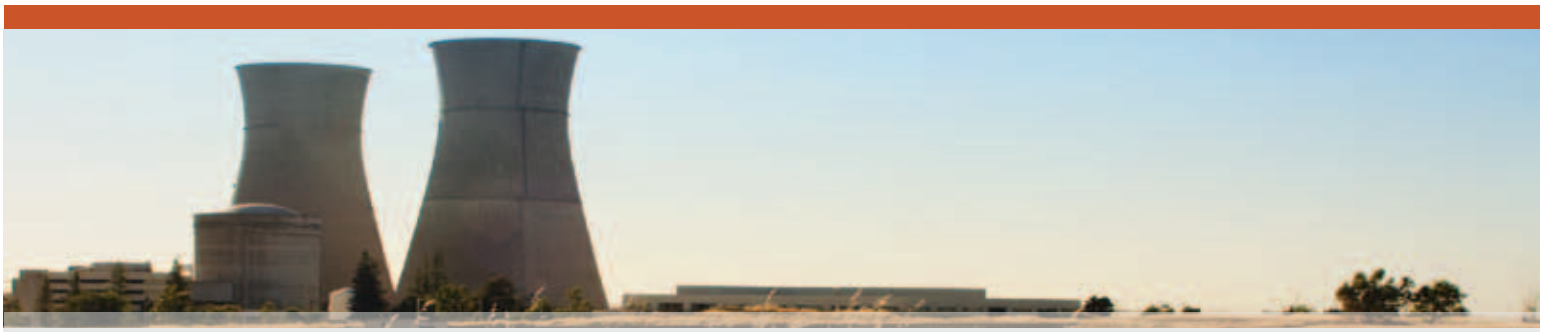
INNOVATING NUCLEAR TECHNOLOGY
ANALYSIS AND MEASUREMENT SERVICES CORPORATION

ENCODER FLUX MAPPING SYSTEM

Incore Flux Mapping (AMS Model ENC-111)



AMS offers an optical encoder system, the ENC-111, as a direct replacement for the mechanical encoders typically found in the incore flux mapping system of most PWRs.

Product Description

The encoder system will be engineered specifically to mate to current plant equipment without the need for hardware modifications. It is supplied in a kit consisting of a proven, industrial-grade, optical encoder, along with an improved mounting bracket that allows three-axis positioning of the encoder, and an electronic interface to adapt the optical encoder output to the five-digit BCD signal required by the existing readout display.

As a special feature, the encoder position may be easily accessed through a serial port connection to a computer or laptop for diagnostics or for connecting to a computer or laptop network, as desired.

The installation package for each encoder includes all the necessary components to quickly complete the installation. AMS can custom engineer and manufacture replacement kits for plants with special encoder requirements or mounting and compatability requirements.

Featured Benefits

- Quick, easy, cost-effective replacement of existing obsolete encoders with no components
- 3-axis adjustable bracket provides for easy coupling with existing cable drive gear
- Kits engineered to be for exact replacement for current equipment in the plant
- Offset feature holds park position, even if power is shut off
- Optical field display/installation unit to speed installation and aid in troubleshooting
- Optional software/laptop can replace control room display and store measurements
- Software has digital as well as and visual indication of movement and location

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✳ 10CFR50 Appendix B Program

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