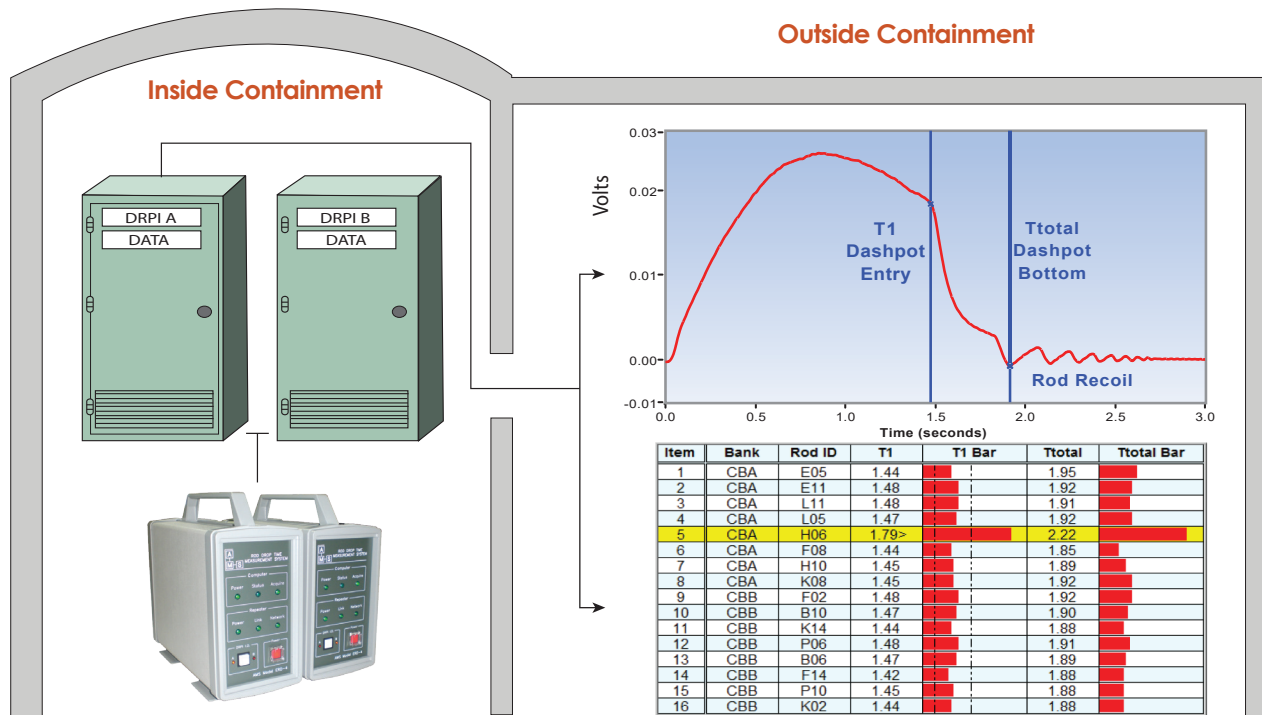




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# AUTOMATED ROD DROP TIME MEASUREMENTS IN NUCLEAR POWER PLANTS

## For Digital Rod Position Indication (DRPI) Systems



AMS provides automated test equipment for quickly performing rod drop time measurements in Westinghouse Pressurized Water Reactors (PWRs) in just minutes. Rod drop time testing is performed in PWRs to measure the time required for control and shutdown rods to travel from the fully withdrawn to the fully inserted position. The test allows for Digital Rod Position Indication (DRPI) power to remain on by using the AMS Patented Power-On Rod Drop Time Measurement technique.

AMS can perform rod drop measurements for a customer on a service basis or provide equipment, and training to enable the customer to perform the tests in-house.

## Featured Benefits

### EQUIPMENT BENEFITS

- Measure Drop Times of All Rods in a Single Drop
- Test with DRPI Power Energized
- Portable, Lightweight, Quick Hookup

### SOFTWARE BENEFITS

- Rod Drop Times Identified Automatically
- Quick Report Flags Any Anomalies or Outliers
- Data Trended From Cycle to Cycle

### DIAGNOSTICS BENEFITS

- Automatically Detect Any Rod Recoil Degradation
- Rod Velocity Plot Identifies and Locates Rod Binding
- Find Location of Stuck Rods
- Detect DRPI Coil Issues

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10CFR50 Appendix B Program

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