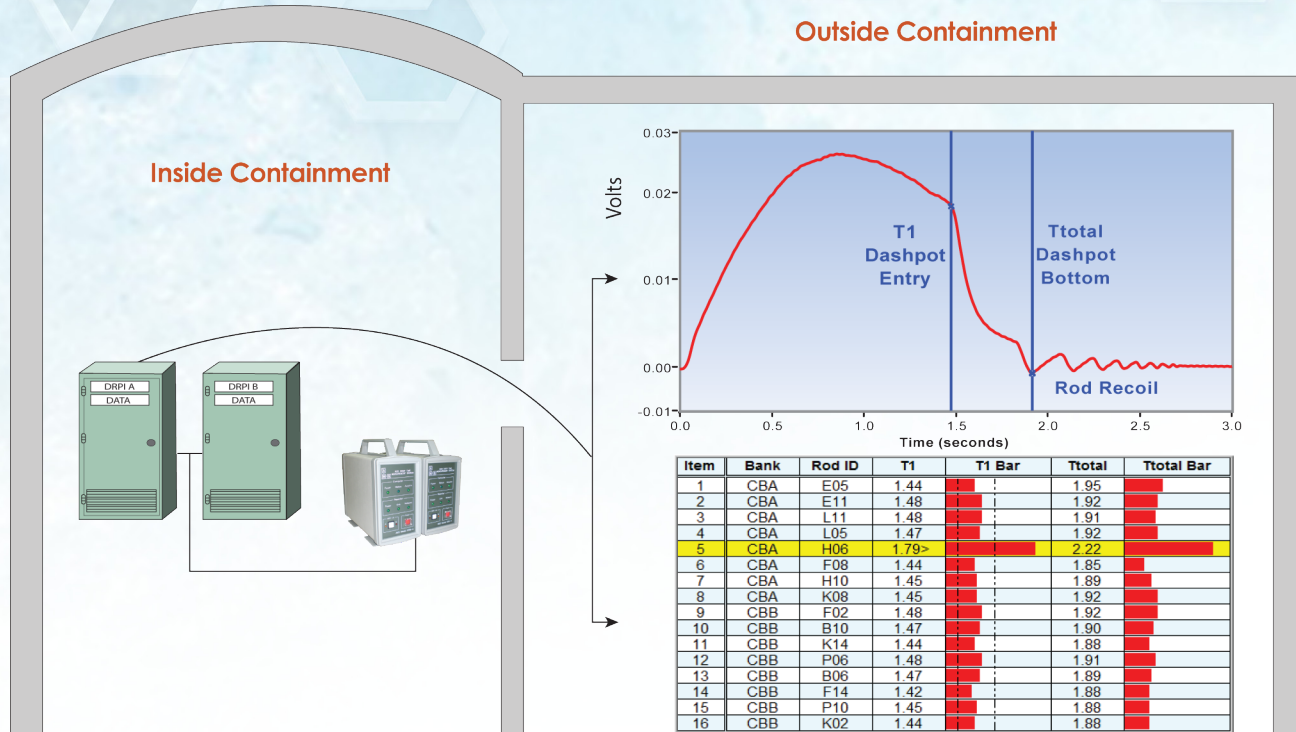




AUTOMATED ROD DROP TIME MEASUREMENTS IN NUCLEAR POWER PLANTS

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time testing is performed in PWRs to measure the time required for control and shutdown rods to travel from the fully withdrawn to the fully inserted position.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

10CFR50 Appendix B Program

For more information please contact: Darrell W. Mitchell | Technical Services Manager
Ext: 108 Email: darrell@ams-corp.com

Ryan D. O'Hagan | Engineering Project Manager
Ext: 103 Email: ryan@ams-corp.com

AMS Technology Center
9119 Cross Park Drive
Knoxville, TN 37923, USA

TEL 865 691 1756
FAX 865 691 9344

EMAIL info@ams-corp.com
WEB www.ams-corp.com

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