

Shipboard Electrical Instrument Calibration Services

*High Technology Solutions
for the Producers, Distributors
and Users of Electric Power*



Background

Historically, the calibration of shipboard electrical instruments has been a difficult proposition requiring the disconnect and/or removal of the instruments so they could be calibrated using classical instrument calibration equipment. Whether the instruments to be calibrated were protective relays, panel meters, or transducers, the classical methods have been open to errors from a number of sources.

The advent of medium voltage systems (above 1000 Volts) in shipboard power has aggravated these problems since medium voltage installations generally require more sophisticated and more numerous instruments.

Fortunately, the availability of modern electrical testing systems provides a cost-effective approach to instrument calibration that is significantly less susceptible to error.

Details and Benefits

Shipboard Electrical Instrument Calibration provides a number of significant improvements in efficiency and accuracy of your calibration requirements:

- Since the instruments do not have to be removed from the equipment boards, the possibility of error or damage is greatly reduced.
- The use of installed test switches minimizes testing time and greatly reduces error.
- Testing accuracies of $\pm 1\%$ or better are easily obtainable.
- The overall calibration time can be cut by 75% or more.
- The use of computerized test routines helps to insure maximum accuracy and repeatability.

**Now, find out more
about the services
Cadick Corporation
performs**

Contact Cadick Corporation to see how these services may help you.

Service Description

- Development of software based calibration procedures custom made for the ship's electrical instruments.
- Hands-on performance of the electrical instrument calibration – both commissioning and regular maintenance services are available.
- On-the-spot maintenance, repair, and/or replacement of faulty instruments as required.
- Complete engineering design services for the retrofit or initial installation of test jacks for instrument testing purposes.
- Project management and supervision of test jack installation and modification.
- Comprehensive training programs to allow ships or shipyard personnel to learn the necessary skills for the performance of the calibration procedures.
- Results review and database services provide archival storage and analysis of results.

Accuracy to any industry standard is available by proper selection of test equipment.



For more information
visit our website at
<http://www.cadickcorp.com>

Or call us today at **972.240.1594**
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