

Calibration Services

Overview

Factory calibration services are available for selected Bently Nevada* Asset Condition Monitoring products through our Metrology Department. These services are quoted upon request and certify that a product meets published specifications. They are available at time of ordering, ensuring that your new products ship with applicable metrology certifications¹, and after ordering for products already in the field needing re-certification.

Applicable Products

Metrology certification² is available for the following products:

- **TK 15, 16, 81, 83, and 85 Portable Test Instruments**
- **TK-3 Proximity System Test Kits**
- **Snapshot* CE and Snapshot IS Data Collection Instruments**
- **ADRE* 408 and 208 Portable Data Acquisition Instruments**
- **Proximity Transducer Systems**

Full metrology certification is provided verifying that the transducer system meets published accuracy specifications when used with the specified target material³. However, full certification² is only available when the probe, extension cable⁴, and Proximitor* sensor are simultaneously available for testing as a matched system.

- **Velocity and Acceleration Transducer Systems**
Metrology certification is provided verifying that the transducer meets published frequency response and sensitivity specifications. However, these transducers have no adjustment capabilities and testing is limited to pass/fail verification only.

Included Documentation

Tested products are provided with a metrology certification document², all applicable test data, and traceability information. Standard manufacturing test data is also available upon request.

Facility Certifications

Our metrology facility meets both ISO 9001 and ANSI/NCSL Z540.1-1994 requirements as verified through independent auditing agencies.

Factory Contact Information

To request a quote, obtain a Material Returns Authorization (RMA), or obtain any other information related to factory calibration services, contact us at:

GE Energy
Bently Nevada* Asset Condition Monitoring
1631 Bently Parkway South
Minden, NV 89423
Phone: +1 775.782.3611 ext 1259
Fax: +1 775.215.2893
E-mail: usarepair@ge.com



Notes:

- 1** When metrology certification is not specified at time of initial ordering and the affected items have already shipped, we are not able to supply a metrology certificate after the fact. The affected products must be returned to the factory for the necessary additional testing as our standard manufacturing tests are not equivalent to metrology certification tests.
- 2** For a new transducer systems order, the entire system (the Proximitor* sensor, probe and extension cable) must be on the same sales order to ensure that the correct components are tested together. Customers may also return an entire system (Proximitor* sensor, probe and extension cable) to the factory for certification. If the entire transducer system is not included on the sales order (or if all components from the transducer system are not returned to the factory), test data for each component is available, but we will not be able to provide a system Metrology Certification.
- 3** The three transducer system components (probe, extension cable, Proximitor* sensor) will be tested at room temperature against the appropriate target material for which the system is designed (usually, AISI 4140 steel). This target material will be provided by the factory unless the customer specifies otherwise and supplies the target.
- 4** In some cases, the probe is configured with a full-length integral cable that requires no extension cable. In these instances, the transducer system consists of only the probe and matching Proximitor* sensor.

