



Test Lab Engineer

Reports to: Test Lab Manager

Department: Test Lab

FLSA Status: Exempt

Shift: 1 (Days)

JOB SUMMARY:

Sets up and instruments lab tests and conducts heating, air conditioning, or other tests on systems, units or components. Prepares test reports which provide documented results of tests performed. Assists in preparing detailed test schedules for all known tests to be conducted and requiring test lab resources.

ESSENTIAL FUNCTIONS:

1. Works with the Project Engineer and Test Engineering Manager in developing appropriate test plans for components being tested.
2. Provides recommendations on testing techniques and data collection.
3. May coordinate the scheduling of tests, including time and cost estimates, in conjunction with the overall Engineering/Marketing schedule requirements.
4. Assembles and/or builds the necessary test set-up as required for the test to be conducted using available Red Dot resources. Coordinates the test set-up with the Project Engineer.
5. Installs all necessary data collection instrumentation.
6. Conducts the required tests in accordance with the test plan and request while collecting all required data and presents this data in the form of charts and written reports.
7. Calibrates necessary test equipment.
8. Travels to customer sites or other offsite locations to perform duties as required.
9. Other duties as assigned.

JOB QUALIFICATIONS:

1. Minimum of two years experience in a test lab and have a working knowledge of test instrumentation and equipment.
2. Must be capable of lifting 35 lbs. and performing physically exerting tasks.
3. Familiarity with and capable of using basic hand tools required for the construction of test set ups. A BS degree in Mechanical Engineering is desirable or equivalent experience.
4. Proficient with Windows based computers and familiar with Microsoft Word and Excel.
5. Must have technical skills to set up complex heating and air conditioning tests. Must have a working knowledge of computers relative to test recordings and data presentation.
6. Must have manual dexterity and motor control to use common Engineering tools and equipment.
7. Ability to clearly communicate with associates and customers. May also be required to make presentations to management.
8. Capable of working under deadlines with minimal supervision

DESIRED QUALIFICATIONS:

- Working knowledge of air conditioning systems and heat transfer.
- Experience working with National Instruments LabView.



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- Good attendance record
 - Ability to interact and communicate effectively with peers, supervisors and upper management.
 - Ability to manage multiple priorities