



## EMBEDDED TEST ENGINEER

### SHORT DESCRIPTION

An exciting opportunity has become available in a fast growing, well established gas detection company. The Embedded Test Engineer role will carry out thorough tests on gas detection instruments that use microcontrollers and analogue electronics. The role is suitable for someone with product development experience and relevant qualifications in embedded systems and software test.

### CONTACT DETAILS

Name: Deborah Norris

By what method: Email: [jobs@ionscience.com](mailto:jobs@ionscience.com)

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### THE ROLE

The Role will report to the Head of R&D and will involve the following:

- Prepare Test Plans, Test Specifications and Test Reports
- Perform a range of manual tests such as Integration Testing, Regression Testing
- Perform UI testing on displays and keypads
- Develop tests using scripts and/or automation software
- Determine test requirements based on Market Requirements and/or Functional Specifications
- Assist in evaluating test results for impacts to firmware and software usability, vulnerability and reliability
- Handling gas sensors and detector instruments along with gas bottles and other scientific laboratory equipment required for testing





## **TECHNICAL SKILLS**

Due to the hands-on nature of the position we seek candidates possessing extensive and recent experience in the following areas:

- Embedded systems/micro controllers and programming dongles
- JIRA for issue management and bug tracking
- Waterfall moving to Agile Software Development Life Cycles
- Handling electronics and mechanical components
- Test automation scripts such as Python
- Be proficient in the use of Windows operating system and Microsoft Office tools
- Have a basic ability in some of the following programming languages C/C#
- Use of electronic tools such as multimeters, data loggers
- Familiar with GIT and SVN version control

## **ROLE KEY PERFORMANCE INDICATORS**

Will be identified and agreed with the successful applicant, following an offer of employment.

## **TECHNICAL QUALIFICATIONS**

Degree or HND equivalent in related subject.





## **THE PERSON**

This is a hands-on role and the person appointed will:-

- Be capable of working independently as well as within a team
- Contribute to timescales and meeting agreed timescales
- Maintain high levels of focus
- Have exceptional attention to detail
- Be highly organised
- Be a team player
- Be proactive in problem solving and scheduling
- Be self-motivated
- Have a methodical and systematic approach
- Have pride in their work and a job well done
- Be approachable and able to challenge current process

## **BENEFITS**

This position offers good terms and benefits including: - good basic salary, 21 days + Bank holidays annual holiday increasing with service, Pension, Healthcare, Bike Scheme and Life Assurance.

## **WORKING HOURS**

This is a full time position and working hours are Monday to Friday 8:30am to 5:00pm.

## **LOCATION**

This role is based at the Ion Science head office, located in Fowlmere, 10 miles south of Cambridge.

