

ROBERT L. REED  
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## R&D TECHNICIAN, ELECTRONIC TEST & PRODUCT EVALUATION TECHNICIAN

Fourteen years of continuous growth positions as a Bio-Medical Electronics Technician with exceptional production skills and a keen eye to meeting deadlines and schedules. Highly skilled and motivated professional with outstanding goal and task orientation. Recognized as an effective professional in troubleshooting, reading schematics, assembly diagrams, solving chemistry related problems and research and development experience as a R & D Lab Technician.

### EMPLOYMENT HISTORY

HUDSON RESPIRATORY CARE INC. 2000-2005

Research and Development Lab. Technician  
Product Evaluation Lab Technician

Performed evaluations on existing and new products for R & D, Sales & Marketing and Manufacturing Engineering.

Performed product testing on competitor products for performance comparison.

Performed product testing to help resolve customer complaints.

Performed assembly and testing of prototype devices for ISO, 510K and final release. Modify assembly drawings and procedures.

Troubleshoot ConchaTherm Humidifiers down to component level. Record and analyze data using Lab View. Assist mechanical and electrical engineers as needed for testing and assembly.

Products: Concha Therm Humidifiers and related breathing circuits and apparatus, Aqua Therm and CPAP heaters, nebulizers, oxygen regulators and monitors.

Equipment used: Puritan Bennett Model 7200 Ventilators, Sechrist Infant Ventilators  
Puritan Bennett Models: PB760, PB840 and PB950. Pressure gauges, force gauges, microscope, flowmeters, DVM, O-scopes, RAM Optical and digital camera

KIMCO (Temp Agency) AUG\_2000

Quality Assurance Environmental Test Technician

Perform environmental tests for Bournes Trimpot Inc. Test electronic components: potentiometers and trimmers for compliance to individual spec. sheets and mil-spec requirements. Testing includes setting up test equipment and logging test results via laptop on excel spreadsheets. Type of testing: variable voltage load life tests, solderability test, resistance to solvents and inspection via 10x microscope, total resistance measurements, voltage ratio adjustments, total resistance shifts, voltage ratio shifts, humidity tests, low temperature stability and high temperature stability tests utilizing temp. control chambers, and vibration tests utilizing an accelerometer.

ADECCO TAD TECHNICAL 1999 – 2000

Bio-Medical Electronic Technician

Perform electronic upgrades and testing on I.V. Infusion Pumps for Dade Behring at Kaiser Hospital.

Upgrades included replacing out dated IC chips, batteries and complete initial power up tests.

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BECKMAN COULTER

1991 – 1999

Quality Control Bio-Medical Test Technician

Responsible for performing final testing of bio-medical instrument performance and authorizing final release of instrument to end customer/user. Responsible for maintaining/reviewing test data and final instrument release records. Create monthly 1st pass yield charts and monthly subassembly failure charts. Perform testing, calibrating and troubleshooting of instrument, chemistries and related electromechanical- hydropneumatics apparatus according to established test specs, test procedures and assembly drawings. Perform logical root cause analysis to resolve routine and more complex hardware, electronic, software and/or chemistry failures/problems.

Equipment used: digital multi-meters, YSI thermometer, Hewlett Packard digital O-scope, Omega pressure and vacuum gauges, Fluke high voltage probes, 10x microscope, pipettes and feeler gauges. Products include Protein Analyzers and Electrolyte Diagnostics Equipment. Perform team leader/coordinator duties. Worked in a team oriented manufacturing environment regulated by GMP and ISO9000. MS Word and MS Excel.

**EDUCATION**

Bachelor of Applied Science Degree, Electronic Engineering Technology

1988 – 1991 ITT Technical Institute, Buena Park, CA

Associate of Applied Science Degree, Electronic Engineering Technology

**MILITARY**

E-4 United States Air Force- 5 years active duty