



# Procedure List

Cal Lab Solutions prides itself on developing the very best automated procedures in the industry. We develop solutions to address your lab's unique requirements and are dedicated to finding the most cost-effective solution that meets your needs.

One of the many services we provide includes the development of MET/CAL<sup>®</sup> procedures. We offer both off the shelf procedures matching the manufacturer's written documentation and custom solutions based on the documentation of your choice. Below is a list of procedures ready for delivery. If you do not see what you're looking for, please feel free to call or email for an immediate quote.

| MANUFACTURER | MODEL                   | DESCRIPTION                           |
|--------------|-------------------------|---------------------------------------|
|              | Generic Caliper         | All Calipers                          |
|              | Generic Micrometer      | All Micrometers                       |
|              | Generic Pin Gauges      | All Pin Gauges                        |
|              | Generic Torque Wrench   | All Torque Wrenches                   |
|              | Generic Decade Resister | All Decade Resisters                  |
| Advantest    | R3131A                  | Spectrum Analyzer                     |
| Advantest    | R3261C                  | Spectrum Analyzer                     |
| Advantest    | R3261D                  | Spectrum Analyzer                     |
| Advantest    | R3265A                  | Spectrum Analyzer                     |
| Advantest    | R3271A                  | Spectrum Analyzer                     |
| Advantest    | R3361C                  | Spectrum Analyzer                     |
| Advantest    | R3361D                  | Spectrum Analyzer                     |
| Agilent/HP   | 16530A/31A              | Oscilloscope Module                   |
| Agilent/HP   | 16532A                  | Oscilloscope Module                   |
| Agilent/HP   | 16533A                  | Oscilloscope Module                   |
| Agilent/HP   | 16534A                  | Oscilloscope Module                   |
| Agilent/HP   | 33120A                  | Arbitrary Function Generator          |
| Agilent/HP   | 3314A                   | Function Generator                    |
| Agilent/HP   | 33210A                  | Function Arbitrary Waveform Generator |
| Agilent/HP   | 33220A                  | Arbitrary Function Generator          |
| Agilent/HP   | 3325A                   | Function Generator                    |
| Agilent/HP   | 3325B                   | Function Generator                    |
| Agilent/HP   | 33250A                  | Arbitrary Function Generator          |
| Agilent/HP   | 3335A                   | Synthesizer                           |
| Agilent/HP   | 3336A                   | Synthesizer                           |
| Agilent/HP   | 3336B                   | Synthesizer                           |

|            |        |                           |
|------------|--------|---------------------------|
| Agilent/HP | 3336C  | Synthesizer               |
| Agilent/HP | 3400A  | Voltmeter                 |
| Agilent/HP | 3437A  | Voltmeter                 |
| Agilent/HP | 3438A  | Digital Multimeter        |
| Agilent/HP | 34401A | Digital Multimeter        |
| Agilent/HP | 34405A | Digital Multimeter        |
| Agilent/HP | 34410A | Digital Multimeter        |
| Agilent/HP | 34411A | Digital Multimeter        |
| Agilent/HP | 34420A | Nano Volt/Micro Ohm Meter |
| Agilent/HP | 3455A  | DMM                       |
| Agilent/HP | 3456A  | DMM                       |
| Agilent/HP | 3457A  | DMM                       |
| Agilent/HP | 3468A  | DMM                       |
| Agilent/HP | 3469B  | DMM                       |
| Agilent/HP | 3478A  | DMM                       |
| Agilent/HP | 34980A | Data Acquisition Unit     |
| Agilent/HP | 3561A  | Signal Analyzer           |
| Agilent/HP | 3562A  | Signal Analyzer           |
| Agilent/HP | 3563A  | Signal Analyzer           |
| Agilent/HP | 4274A  | LCR Meter                 |
| Agilent/HP | 4275A  | LCR Meter                 |
| Agilent/HP | 4284A  | LCR Meter                 |
| Agilent/HP | 4328A  | Milliohmeter              |
| Agilent/HP | 4338A  | Milliohmeter              |
| Agilent/HP | 4338B  | Milliohmeter              |
| Agilent/HP | 437B   | Power Meter               |
| Agilent/HP | 438A   | Power Meter               |
| Agilent/HP | 478A   | Thermistor Mount          |
| Agilent/HP | 53131A | Universal Counter         |
| Agilent/HP | 53132A | Universal Counter         |
| Agilent/HP | 53147A | Counter/Power Meter/DVM   |
| Agilent/HP | 53150A | Counter/Power Meter       |
| Agilent/HP | 53151A | Counter/Power Meter       |
| Agilent/HP | 53181A | Microwave Counter         |
| Agilent/HP | 5334A  | Universal Counter         |
| Agilent/HP | 5334B  | Universal Counter         |
| Agilent/HP | 5335A  | Universal Counter         |
| Agilent/HP | 5342A  | Microwave Counter         |
| Agilent/HP | 5343A  | Microwave Counter         |
| Agilent/HP | 5350A  | Microwave Counter         |
| Agilent/HP | 5350B  | Microwave Counter         |
| Agilent/HP | 5351A  | Microwave Counter         |
| Agilent/HP | 5351B  | Microwave Counter         |
| Agilent/HP | 5384A  | Frequency Counter         |
| Agilent/HP | 5385A  | Frequency Counter         |
| Agilent/HP | 5386A  | Frequency Counter         |
| Agilent/HP | 54100A | Oscilloscope              |

|            |        |                         |
|------------|--------|-------------------------|
| Agilent/HP | 54100D | Oscilloscope            |
| Agilent/HP | 54111D | Oscilloscope            |
| Agilent/HP | 54501A | Oscilloscope            |
| Agilent/HP | 54502A | Oscilloscope            |
| Agilent/HP | 54503A | Oscilloscope            |
| Agilent/HP | 54510A | Oscilloscope            |
| Agilent/HP | 54522A | Digitizing Oscilloscope |
| Agilent/HP | 54522C | Digitizing Oscilloscope |
| Agilent/HP | 54600B | Oscilloscope            |
| Agilent/HP | 54601A | Oscilloscope            |
| Agilent/HP | 54601B | Oscilloscope            |
| Agilent/HP | 54602B | Oscilloscope            |
| Agilent/HP | 54610B | Oscilloscope            |
| Agilent/HP | 54615B | Oscilloscope            |
| Agilent/HP | 54621A | Oscilloscope            |
| Agilent/HP | 54621D | Oscilloscope            |
| Agilent/HP | 54622A | Oscilloscope            |
| Agilent/HP | 54622D | Oscilloscope            |
| Agilent/HP | 54624A | Oscilloscope            |
| Agilent/HP | 54642A | Oscilloscope            |
| Agilent/HP | 54645B | Oscilloscope            |
| Agilent/HP | 54810A | Infiniium Oscilloscope  |
| Agilent/HP | 54815A | Infiniium Oscilloscope  |
| Agilent/HP | 54820A | Infiniium Oscilloscope  |
| Agilent/HP | 54825A | Infiniium Oscilloscope  |
| Agilent/HP | 54835A | Infiniium Oscilloscope  |
| Agilent/HP | 54845A | Infiniium Oscilloscope  |
| Agilent/HP | 6002A  | DC Power Supply         |
| Agilent/HP | 6012B  | DC Power Supply         |
| Agilent/HP | 6024A  | DC Power Supply         |
| Agilent/HP | 6033A  | DC Power Supply         |
| Agilent/HP | 6034A  | DC Power Supply         |
| Agilent/HP | 6038A  | DC Power Supply         |
| Agilent/HP | 6102A  | DC Power Supply         |
| Agilent/HP | 6111A  | DC Power Supply         |
| Agilent/HP | 6112A  | DC Power Supply         |
| Agilent/HP | 6114A  | DC Power Supply         |
| Agilent/HP | 6115A  | DC Power Supply         |
| Agilent/HP | 6116A  | DC Power Supply         |
| Agilent/HP | 6216A  | DC Power Supply         |
| Agilent/HP | 6218B  | DC Power Supply         |
| Agilent/HP | 6227B  | DC Power Supply         |
| Agilent/HP | 6235A  | DC Power Supply         |
| Agilent/HP | 6236B  | DC Power Supply         |
| Agilent/HP | 6256B  | DC Power Supply         |
| Agilent/HP | 6264B  | DC Power Supply         |
| Agilent/HP | 6274B  | DC Power Supply         |

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|------------|--------|--------------------------|
| Agilent/HP | 6289A  | DC Power Supply          |
| Agilent/HP | 6291A  | DC Power Supply          |
| Agilent/HP | 6296A  | DC Power Supply          |
| Agilent/HP | 6434B  | DC Power Supply          |
| Agilent/HP | 6544A  | DC Power Supply          |
| Agilent/HP | 6554A  | DC Power Supply          |
| Agilent/HP | 6621A  | DC Power Supply          |
| Agilent/HP | 6623A  | DC Power Supply          |
| Agilent/HP | 6624A  | DC Power Supply          |
| Agilent/HP | 6627A  | DC Power Supply          |
| Agilent/HP | 6633A  | DC Power Supply          |
| Agilent/HP | 6642A  | DC Power Supply          |
| Agilent/HP | 6643A  | DC Power Supply          |
| Agilent/HP | 6652A  | DC Power Supply          |
| Agilent/HP | 6653A  | DC Power Supply          |
| Agilent/HP | 6672A  | DC Power Supply          |
| Agilent/HP | 66111A | DC Power Supply          |
| Agilent/HP | 66311A | DC Power Supply          |
| Agilent/HP | 66311B | DC Power Supply          |
| Agilent/HP | 66311D | DC Power Supply          |
| Agilent/HP | 66309B | DC Power Supply          |
| Agilent/HP | 66309D | DC Power Supply          |
| Agilent/HP | 8011A  | Pulse Generator          |
| Agilent/HP | 8110A  | Pulse Generator          |
| Agilent/HP | 8112A  | Pulse Generator          |
| Agilent/HP | 8116A  | Pulse/Function Generator |
| Agilent/HP | 81110A | Pulse Pattern Generator  |
| Agilent/HP | 81111A | Pulse Pattern Generator  |
| Agilent/HP | 81112A | Pulse Pattern Generator  |
| Agilent/HP | 81133A | Pulse Generator          |
| Agilent/HP | 81134A | Pulse Generator          |
| Agilent/HP | 8340A  | Synthesizer              |
| Agilent/HP | 8340B  | Synthesizer              |
| Agilent/HP | 8341A  | Synthesizer              |
| Agilent/HP | 8341B  | Synthesizer              |
| Agilent/HP | 83620A | Synthesizer              |
| Agilent/HP | 83620B | Synthesizer              |
| Agilent/HP | 83622A | Synthesizer              |
| Agilent/HP | 83622B | Synthesizer              |
| Agilent/HP | 83623A | Synthesizer              |
| Agilent/HP | 83623B | Synthesizer              |
| Agilent/HP | 83623L | Synthesizer              |
| Agilent/HP | 83624A | Synthesizer              |
| Agilent/HP | 83624B | Synthesizer              |
| Agilent/HP | 83630A | Synthesizer              |
| Agilent/HP | 83630B | Synthesizer              |
| Agilent/HP | 83630L | Synthesizer              |

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|------------|--------|---------------------|
| Agilent/HP | 83711A | Synthesizer         |
| Agilent/HP | 83711B | Synthesizer         |
| Agilent/HP | 83712A | Synthesizer         |
| Agilent/HP | 83712B | Synthesizer         |
| Agilent/HP | 83731A | Synthesizer         |
| Agilent/HP | 83731B | Synthesizer         |
| Agilent/HP | 83732A | Synthesizer         |
| Agilent/HP | 83732B | Synthesizer         |
| Agilent/HP | 83751A | Synthesized Sweeper |
| Agilent/HP | 83752A | Synthesized Sweeper |
| Agilent/HP | 83752B | Synthesized Sweeper |
| Agilent/HP | 8560A  | Spectrum Analyzer   |
| Agilent/HP | 8560E  | Spectrum Analyzer   |
| Agilent/HP | 8560EC | Spectrum Analyzer   |
| Agilent/HP | 8561B  | Spectrum Analyzer   |
| Agilent/HP | 8561E  | Spectrum Analyzer   |
| Agilent/HP | 8561EC | Spectrum Analyzer   |
| Agilent/HP | 8562A  | Spectrum Analyzer   |
| Agilent/HP | 8562E  | Spectrum Analyzer   |
| Agilent/HP | 8562EC | Spectrum Analyzer   |
| Agilent/HP | 8563A  | Spectrum Analyzer   |
| Agilent/HP | 8563E  | Spectrum Analyzer   |
| Agilent/HP | 8563EC | Spectrum Analyzer   |
| Agilent/HP | 8564E  | Spectrum Analyzer   |
| Agilent/HP | 8564EC | Spectrum Analyzer   |
| Agilent/HP | 8565E  | Spectrum Analyzer   |
| Agilent/HP | 8565EC | Spectrum Analyzer   |
| Agilent/HP | 8566A  | Spectrum Analyzer   |
| Agilent/HP | 8566B  | Spectrum Analyzer   |
| Agilent/HP | 8568A  | Spectrum Analyzer   |
| Agilent/HP | 8568B  | Spectrum Analyzer   |
| Agilent/HP | 8591E  | Spectrum Analyzer   |
| Agilent/HP | 8592A  | Spectrum Analyzer   |
| Agilent/HP | 8592B  | Spectrum Analyzer   |
| Agilent/HP | 8593A  | Spectrum Analyzer   |
| Agilent/HP | 8593E  | Spectrum Analyzer   |
| Agilent/HP | 8594E  | Spectrum Analyzer   |
| Agilent/HP | 8595A  | Spectrum Analyzer   |
| Agilent/HP | 8595E  | Spectrum Analyzer   |
| Agilent/HP | 8596E  | Spectrum Analyzer   |
| Agilent/HP | 8640B  | Signal Generator    |
| Agilent/HP | 8642A  | Signal Generator    |
| Agilent/HP | 8642B  | Signal Generator    |
| Agilent/HP | 8643A  | Synthesizer         |
| Agilent/HP | 8644A  | Synthesizer         |
| Agilent/HP | 8644B  | Synthesizer         |
| Agilent/HP | 8647A  | Synthesizer         |

|            |                   |                                     |
|------------|-------------------|-------------------------------------|
| Agilent/HP | 8648A             | Synthesizer                         |
| Agilent/HP | 8648B             | Synthesizer                         |
| Agilent/HP | 8648C             | Synthesizer                         |
| Agilent/HP | 8648D             | Synthesizer                         |
| Agilent/HP | 8656A             | Synthesizer                         |
| Agilent/HP | 8656B             | Synthesizer                         |
| Agilent/HP | 8657A             | Synthesizer                         |
| Agilent/HP | 8657B             | Synthesizer                         |
| Agilent/HP | 8662A             | Synthesizer                         |
| Agilent/HP | 8663A             | Synthesizer                         |
| Agilent/HP | 8664A             | Synthesizer                         |
| Agilent/HP | 8665A             | Synthesizer                         |
| Agilent/HP | 8665B             | Synthesizer                         |
| Agilent/HP | 8671B             | Synthesizer                         |
| Agilent/HP | 8672A             | Synthesizer                         |
| Agilent/HP | 8673B             | Synthesizer                         |
| Agilent/HP | 8673C             | Synthesizer                         |
| Agilent/HP | 8673D             | Synthesizer                         |
| Agilent/HP | 8673E             | Synthesizer                         |
| Agilent/HP | 8673H             | Synthesizer                         |
| Agilent/HP | 8753A             | Vector Network Analyzer             |
| Agilent/HP | 8753B             | Vector Network Analyzer             |
| Agilent/HP | 8753C             | Vector Network Analyzer             |
| Agilent/HP | 8753D             | Vector Network Analyzer             |
| Agilent/HP | 8753D w/ Opt 011  | Vector Network Analyzer             |
| Agilent/HP | 8753E             | Vector Network Analyzer             |
| Agilent/HP | 8753E w/ Opt 011  | Vector Network Analyzer             |
| Agilent/HP | 8753ES            | Vector Network Analyzer             |
| Agilent/HP | 8753ES w/ Opt 011 | Vector Network Analyzer             |
| Agilent/HP | 8756A             | Scalar Network Analyzer             |
| Agilent/HP | 8901A             | Modulation Analyzer                 |
| Agilent/HP | 8901B             | Modulation Analyzer                 |
| Agilent/HP | 8902A             | Measuring Receiver                  |
| Agilent/HP | 8903A             | Audio Analyzer                      |
| Agilent/HP | 8903B             | Audio Analyzer                      |
| Agilent/HP | 8903E             | Distortion Analyzer                 |
| Agilent/HP | 8904A             | Multifunction Frequency Synthesizer |
| Agilent/HP | DSO5012A          | Oscilloscope                        |
| Agilent/HP | DSO5014A          | Oscilloscope                        |
| Agilent/HP | DSO5032A          | Oscilloscope                        |
| Agilent/HP | DSO5034A          | Oscilloscope                        |
| Agilent/HP | DSO5052A          | Oscilloscope                        |
| Agilent/HP | DSO5054A          | Oscilloscope                        |
| Agilent/HP | DSO6012A          | Oscilloscope                        |
| Agilent/HP | DSO6014A          | Oscilloscope                        |
| Agilent/HP | DSO6032A          | Oscilloscope                        |
| Agilent/HP | DSO6034A          | Oscilloscope                        |

|            |           |                        |
|------------|-----------|------------------------|
| Agilent/HP | DSO6052A  | Oscilloscope           |
| Agilent/HP | DSO6054A  | Oscilloscope           |
| Agilent/HP | DSO6102A  | Oscilloscope           |
| Agilent/HP | DSO6104A  | Oscilloscope           |
| Agilent/HP | DSO7032A  | Oscilloscope           |
| Agilent/HP | DSO7034A  | Oscilloscope           |
| Agilent/HP | DSO7052A  | Oscilloscope           |
| Agilent/HP | DSO7054A  | Oscilloscope           |
| Agilent/HP | DSO7102A  | Oscilloscope           |
| Agilent/HP | DSO7104A  | Oscilloscope           |
| Agilent/HP | DSO90254A | Oscilloscope           |
| Agilent/HP | DSO90404A | Oscilloscope           |
| Agilent/HP | DSO90604A | Oscilloscope           |
| Agilent/HP | DSO90804A | Oscilloscope           |
| Agilent/HP | DSO91204A | Oscilloscope           |
| Agilent/HP | DSO91304A | Oscilloscope           |
| Agilent/HP | E1410A    | DMM                    |
| Agilent/HP | E1411A    | DMM                    |
| Agilent/HP | E1411B    | DMM                    |
| Agilent/HP | E1416A    | Power Meter            |
| Agilent/HP | E1418A    | D/A Converter          |
| Agilent/HP | E1420B    | Universal Counter      |
| Agilent/HP | E1426A    | Oscilloscope           |
| Agilent/HP | E1437A    | Digitizer              |
| Agilent/HP | E1563A    | Digitizer              |
| Agilent/HP | E1564A    | Digitizer              |
| Agilent/HP | E3611A    | DC Power Supply        |
| Agilent/HP | E3631A    | DC Power Supply        |
| Agilent/HP | E3632A    | DC Power Supply        |
| Agilent/HP | E3633A    | DC Power Supply        |
| Agilent/HP | E3634A    | DC Power Supply        |
| Agilent/HP | E3648A    | DC Power Supply        |
| Agilent/HP | E4412A    | Power Sensor           |
| Agilent/HP | E4413A    | Power Sensor           |
| Agilent/HP | E4416A    | Power Meter            |
| Agilent/HP | E4417A    | Power Meter            |
| Agilent/HP | E4418A    | Power Meter            |
| Agilent/HP | E4418B    | Power Meter            |
| Agilent/HP | E4419A    | Power Meter            |
| Agilent/HP | E4419B    | Power Meter            |
| Agilent/HP | E4980A    | LCR Meter              |
| Agilent/HP | E5052A    | Signal Source Analyzer |
| Agilent/HP | E5052B    | Signal Source Analyzer |
| Agilent/HP | E5070A    | Network Analyzer       |
| Agilent/HP | E5071A    | Network Analyzer       |
| Agilent/HP | E5070B    | Network Analyzer       |
| Agilent/HP | E5071B    | Network Analyzer       |

|               |              |                             |
|---------------|--------------|-----------------------------|
| Agilent/HP    | E5071C       | Network Analyzer            |
| Agilent/HP    | L4411A       | Digital Multimeter          |
| Agilent/HP    | MSO6012A     | Oscilloscope                |
| Agilent/HP    | MSO6014A     | Oscilloscope                |
| Agilent/HP    | MSO6032A     | Oscilloscope                |
| Agilent/HP    | MSO6034A     | Oscilloscope                |
| Agilent/HP    | MSO6052A     | Oscilloscope                |
| Agilent/HP    | MSO6054A     | Oscilloscope                |
| Agilent/HP    | MSO6102A     | Oscilloscope                |
| Agilent/HP    | MSO6104A     | Oscilloscope                |
| Agilent/HP    | MSO7032A     | Oscilloscope                |
| Agilent/HP    | MSO7034A     | Oscilloscope                |
| Agilent/HP    | MSO7052A     | Oscilloscope                |
| Agilent/HP    | MSO7054A     | Oscilloscope                |
| Agilent/HP    | MSO7102A     | Oscilloscope                |
| Agilent/HP    | MSO7104A     | Oscilloscope                |
| Agilent/HP    | E5700 Series | Power Supplies              |
| Agilent/HP    | N6700 Series | Power Supply Modules        |
| Agilent/HP    | N9310A       | Signal Generator            |
| Agilent/HP    | N9320A       | Spectrum Analyzer           |
| Agilent/HP    | N9340A       | Spectrum Analyzer           |
| Agilent/HP    | U1241A       | Digital Multimeter          |
| Agilent/HP    | U1242A       | Digital Multimeter          |
| Agilent/HP    | U1251A       | Digital Multimeter          |
| Agilent/HP    | U1252A       | Digital Multimeter          |
| Agilent/HP    | U1253A       | Digital Multimeter          |
| Amprobe       | AC/DC1000    | Digital Clamp-on Meter      |
| Amprobe       | ACDC-1000A   | Digital Clamp-on Multimeter |
| Amprobe       | ACDC-610     | Digital Clamp-on Multimeter |
| Amprobe       | AM1200       | DMM                         |
| Anritsu       | MS2711B      | Spectrum Analyzer           |
| Anritsu       | MS2711D      | Spectrum Analyzer           |
| Anritsu       | MS2721A      | Spectrum Analyzer           |
| Anritsu       | MS2721B      | Spectrum Analyzer           |
| Anritsu       | MS2723B      | Spectrum Analyzer           |
| Anritsu       | MS2724B      | Spectrum Analyzer           |
| Anritsu       | S331D        | Cable & Antenna Analyzer    |
| Anritsu       | S332D        | Cable & Antenna Analyzer    |
| Anritsu       | S810D        | Cable & Antenna Analyzer    |
| Anritsu       | S820D        | Cable & Antenna Analyzer    |
| Astro-Med     | Dash 8HF     | Data Recorder               |
| Astro-Med     | Dash 8x      | Data Recorder               |
| Astro-Med     | Dash 18x     | Data Recorder               |
| Astro-Med     | Dash 32HF    | Data Recorder               |
| B&K Precision | 2707         | Digital Multimeter          |
| B&K Precision | 2707A        | Digital Multimeter          |
| B&K Precision | 308          | Insulation Tester           |

|                           |             |                               |
|---------------------------|-------------|-------------------------------|
| B&K Precision             | 815         | Component Tester              |
| B&K Precision             | 875A        | LCR Meter                     |
| B&K Precision             | 875B        | LCR Meter                     |
| B&K Precision             | 878         | LCR Meter                     |
| B&K Precision             | 878A        | LCR Meter                     |
| B&K Precision             | 920         | Digital Thermometer           |
| Berkeley Nucleonics       | 507         | Current Pulse Generator       |
| Biddle                    | 210200      | Megohmmeter                   |
| Biddle                    | 247000      | Digital Ohmmeter              |
| Bio-Tek                   | 601 Pro     | Electrical Safety Analyzer    |
| Boonton                   | 9200A       | Millivoltmeter                |
| Boonton                   | 9200B       | Millivoltmeter                |
| California Instruments    | 1501 I/iX   | AC/DC Power Supply            |
| California Instruments    | 3001 I/iX   | AC/DC Power Supply            |
| Clarke Hess               | 6000        | Phase Meter                   |
| Cole Parmer               | EW-08204-20 | Tachometer                    |
| Desco                     | 98220       | Calibrator                    |
| Dewatron                  | DAQP-DMM    | Amplifier                     |
| Dewatron                  | DAQP-V      | Amplifier                     |
| E-C Apparatus Corporation | EC3000-90   | Power Supply                  |
| E-C Apparatus Corporation | VWR 3000    | Power Supply                  |
| Empro                     | HA-100-100  | Current shunt                 |
| Endevco                   | 2947B-2     | Capacitor                     |
| Endevco                   | HA-50-40    | Current shunt                 |
| Escort                    | ELC-131D    | LCR Meter                     |
| Extech                    | 380801      | Power Analyzer                |
| Extech                    | 382860      | Power Multimeter              |
| Extech                    | 407907      | RTD Thermometer               |
| Extech                    | 412355      | Current/Voltage Calibrator    |
| Extech                    | 461895      | Tachometer                    |
| Extech                    | CMM-15      | Process Calibrator Multimeter |
| Extech                    | FG-5000     | Digital Force Gage            |
| EZ Digital                | DM-311      | Digital Multimeter            |
| Fluke/Philips             | PM6304      | Programmable Meter            |
| Fluke/Wavetek             | 9530        | Active Head                   |
| Fluke                     | 1750        | Power Quality Analyzer        |
| Fluke                     | 287         | Digital Multimeter            |
| Fluke                     | 289         | Digital Multimeter            |
| Fluke                     | 433         | Power Quality Analyzer        |
| Fluke                     | 434         | Power Quality Analyzer        |
| Fluke                     | 5500A       | Calibrator                    |
| Fluke                     | 5520A       | Calibrator                    |
| Fluke                     | 5700A       | Calibrator                    |
| Fluke                     | 5720A       | Calibrator                    |
| Fluke                     | 8840A       | Digital Multimeter            |
| Fluke                     | 8845A       | Digital Multimeter            |
| Fluke                     | 8846A       | Digital Multimeter            |

|                      |                        |                                 |
|----------------------|------------------------|---------------------------------|
| Fluke                | 8920A                  | True RMS Voltmeter              |
| Fluke                | 8921A                  | True RMS Voltmeter              |
| Fluke                | 8922A                  | True RMS Voltmeter              |
| Gigatronics          | 6011A                  | Signal Generator                |
| Gigatronics          | 6060A                  | Signal Generator                |
| Gigatronics          | 6060B                  | Signal Generator                |
| Gigatronics          | 6061A                  | Synthesized RF Signal Generator |
| Gigatronics          | 6062A                  | Synthesized RF Signal Generator |
| Goodwill Instruments | GPR-11H30D             | Power Supply                    |
| Hach Company         | X-7369                 | AC Power Panel Meter            |
| Hioki                | 3196                   | Power Quality Analyzer          |
| Honeywell            | 2020 System Calibrator | Process Calibrator              |
| Honeywell            | Multitrend Plus V5     | Plant Data Acquisition          |
| IET                  | HRRS-B-3-1M            | Mega Decade Resistor            |
| Instek               | LCR-816                | LCR Meter                       |
| Johnstone            | H24-677                | Digital Clamp Meter             |
| Johnstone            | H24-678                | Insulation Tester               |
| Keithley             | 2001                   | Digital Multimeter              |
| Keithley             | 2010                   | Digital Multimeter              |
| Keithley             | 169                    | Digital Multimeter              |
| Keithley             | 179A                   | Digital Multimeter              |
| Keithley             | 191&1910               | Digital Multimeter              |
| Keithley             | 2000                   | Digital Multimeter              |
| Keithley             | 2001                   | Digital Multimeter              |
| Keithley             | 220                    | Current Source                  |
| Keithley             | 224                    | Current Source                  |
| Keithley             | 230                    | Voltage Source                  |
| Keithley             | 6517A                  | DMM/Electrometer                |
| Keithley             | 776                    | Counter/Timer                   |
| Keithley             | NAPT-DMM-001(197A)     | Digital Multimeter              |
| Krohn-Hite           | 6400                   | Digital Phasemeter              |
| Krohn-Hite           | 6400                   | Digital Phasemeter              |
| Krohn-Hite           | 6900B-6                | Distortion Analyzer             |
| LeCroy               | 9314 Series            | Digital Oscilloscope            |
| LeCroy               | 9354 Series            | Digital Oscilloscope            |
| LeCroy               | 9354A\AM\AL            | Digital Oscilloscope            |
| LeCroy               | 9450A                  | Oscilloscope                    |
| LeCroy               | AP015                  | Current Probe                   |
| LeCroy               | LW420A                 | Arbitrary Waveform Generator    |
| Megger               | CB101                  | Insulation Tester Calibration   |
| Motech               | MT 1010                | Power Analyzer                  |
| Omega                | HH22                   | Microprocessor Thermometer      |
| Omega                | HH-25KF                | Digital Thermometer             |
| Omega                | OM-5100                | Data Logger                     |
| Philips              | PM3585                 | Logic Analyzer                  |
| Philips              | PM6669                 | Universal Frequency Counter     |
| Protek               | 506                    | Digital Multimeter              |

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|------------------------|--------------|--------------------------------|
| PSG Manheim            | Multitest 84 | Temperature Controller         |
| QuadTech               | Sentry 10    | Hipot Tester                   |
| QuadTech               | Sentry 50    | Ground Bond Tester             |
| RayTek                 | RAYRPM4L3U   | Infrared Thermometer           |
| RayTek                 | RAYRPM4LS    | Infrared Temperature Probe     |
| RayTek                 | RAYST60      | Infrared Thermometer           |
| Rod-L                  | M100BVS5     | AC Hipot Tester                |
| Rohde & Schwarz        | ESIB7        | EMI Test Receiver              |
| Rohde & Schwarz        | ESIB26       | EMI Test Receiver              |
| Rohde & Schwarz        | ESIB40       | EMI Test Receiver              |
| Rohde & Schwarz        | FSEA20       | Spectrum Analyzer              |
| Rohde & Schwarz        | FSEA30       | Spectrum Analyzer              |
| Rohde & Schwarz        | FSEB20       | Spectrum Analyzer              |
| Rohde & Schwarz        | FSEB30       | Spectrum Analyzer              |
| Rohde & Schwarz        | FSEM20       | Spectrum Analyzer              |
| Rohde & Schwarz        | FSEM30       | Spectrum Analyzer              |
| Rohde & Schwarz        | FSP3         | Spectrum Analyzer              |
| Rohde & Schwarz        | FSP7         | Spectrum Analyzer              |
| Rohde & Schwarz        | FSP13        | Spectrum Analyzer              |
| Rohde & Schwarz        | FSP30        | Spectrum Analyzer              |
| Rohde & Schwarz        | FSP40        | Spectrum Analyzer              |
| Rohde & Schwarz        | SMA100A      | Signal Generator               |
| Rohde & Schwarz        | SMJ100A      | Signal Generator               |
| Ronan                  | X86          | Portable Calibrator            |
| Ronan                  | X88          | Portable Calibrator            |
| Semtronics             | EN445LC-35   | Limit Comparator               |
| Simpson                | 1699         | Multi-Range Precision Milliohm |
| Simpson                | 228          | Leakage Current Tester         |
| Simpson                | 229-2        | AC Leakage Tester              |
| Simpson                | 25 Amp       | Portable Current Shunt         |
| Sony/Tektronix         | AWG2021      | Arbitrary Waveform Generator   |
| Spectracom Corporation | 8163         | Receiver/Comparator            |
| Stanford Research      | DS345        | Function Generator             |
| Stanford Research      | SR620        | Counter                        |
| SyntheSys Research     | BA1500       | BitAlyzer                      |
| Systron Donner         | 7344A        | Digital Multimeter             |
| Tegam                  | SG503        | Sine Wave Generator            |
| Tegam                  | SG5030       | Sine Wave Generator            |
| Tegam                  | SG5050       | Sine Wave Generator            |
| Tektronix              | 157          | Digital Multimeter             |
| Tektronix              | 2430A        | Oscilloscope                   |
| Tektronix              | 2432         | Digital Oscilloscope           |
| Tektronix              | 2432A        | Digital Oscilloscope           |
| Tektronix              | 2440         | Digital Oscilloscope           |
| Tektronix              | 2445         | Oscilloscope                   |
| Tektronix              | 2445A        | Oscilloscope                   |
| Tektronix              | 2445B        | Oscilloscope                   |

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|-----------|------------------------|------------------------------------|
| Tektronix | 2455A                  | Oscilloscope                       |
| Tektronix | 2465                   | Oscilloscope                       |
| Tektronix | 2465A                  | Oscilloscope                       |
| Tektronix | 2465B                  | Oscilloscope                       |
| Tektronix | 2467                   | Oscilloscope                       |
| Tektronix | 2467B                  | Oscilloscope                       |
| Tektronix | 2795                   | Spectrum Analyzer                  |
| Tektronix | 465                    | Oscilloscope                       |
| Tektronix | 465/DM40&43            | Oscilloscope                       |
| Tektronix | 465B                   | Oscilloscope                       |
| Tektronix | 465B/DM44              | Oscilloscope                       |
| Tektronix | 475                    | Oscilloscope                       |
| Tektronix | 475A                   | Oscilloscope                       |
| Tektronix | 475A/DM44              | Oscilloscope                       |
| Tektronix | 672A9000               | Pre-Amplifier                      |
| Tektronix | AFG310                 | Arbitrary Function Generator       |
| Tektronix | AFG320                 | Arbitrary Function Generator       |
| Tektronix | AFG3021                | Arbitrary Function Generator       |
| Tektronix | AFG3022                | Arbitrary Function Generator       |
| Tektronix | AFG3101                | Arbitrary Function Generator       |
| Tektronix | AFG3102                | Arbitrary Function Generator       |
| Tektronix | AFG3251                | Arbitrary Function Generator       |
| Tektronix | AFG3252                | Arbitrary Function Generator       |
| Tektronix | AM 503S(A6302/AM 503B) | Current Probe System               |
| Tektronix | AM503                  | Current Probe Amplifier            |
| Tektronix | AWG2021                | Arbitrary Waveform Generator       |
| Tektronix | AWG5002                | Arbitrary Waveform Generator       |
| Tektronix | AWG5004                | Arbitrary Waveform Generator       |
| Tektronix | AWG5012                | Arbitrary Waveform Generator       |
| Tektronix | AWG5014                | Arbitrary Waveform Generator       |
| Tektronix | AWG5002B               | Arbitrary Waveform Generator       |
| Tektronix | AWG5004B               | Arbitrary Waveform Generator       |
| Tektronix | AWG5012B               | Arbitrary Waveform Generator       |
| Tektronix | AWG5014B               | Arbitrary Waveform Generator       |
| Tektronix | AWG7051                | Arbitrary Waveform Generator       |
| Tektronix | AWG7052                | Arbitrary Waveform Generator       |
| Tektronix | AWG7101                | Arbitrary Waveform Generator       |
| Tektronix | AWG7102                | Arbitrary Waveform Generator       |
| Tektronix | CG 5011                | Programmable Calibration Generator |
| Tektronix | DC 503A                | Universal Counter/Timer            |
| Tektronix | DPO2012                | Oscilloscope                       |
| Tektronix | DPO2014                | Oscilloscope                       |
| Tektronix | DPO2024                | Oscilloscope                       |
| Tektronix | DPO3012                | Oscilloscope                       |
| Tektronix | DPO3014                | Oscilloscope                       |
| Tektronix | DPO3032                | Oscilloscope                       |
| Tektronix | DPO3034                | Oscilloscope                       |

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| Tektronix | DPO3052   | Oscilloscope          |
| Tektronix | DPO3054   | Oscilloscope          |
| Tektronix | DPO4032   | Oscilloscope          |
| Tektronix | DPO4034   | Oscilloscope          |
| Tektronix | DPO4054   | Oscilloscope          |
| Tektronix | DPO4104   | Oscilloscope          |
| Tektronix | DPO70404  | Oscilloscope          |
| Tektronix | DPO70404B | Oscilloscope          |
| Tektronix | DPO70604  | Oscilloscope          |
| Tektronix | DPO70604B | Oscilloscope          |
| Tektronix | DPO70804  | Oscilloscope          |
| Tektronix | DPO70804B | Oscilloscope          |
| Tektronix | DPO71254  | Oscilloscope          |
| Tektronix | DPO71254B | Oscilloscope          |
| Tektronix | DPO71604  | Oscilloscope          |
| Tektronix | DPO71604B | Oscilloscope          |
| Tektronix | DPO72004  | Oscilloscope          |
| Tektronix | DPO72004B | Oscilloscope          |
| Tektronix | DSA70404  | Oscilloscope          |
| Tektronix | DSA70404B | Oscilloscope          |
| Tektronix | DSA70604  | Oscilloscope          |
| Tektronix | DSA70604B | Oscilloscope          |
| Tektronix | DSA70804  | Oscilloscope          |
| Tektronix | DSA70804B | Oscilloscope          |
| Tektronix | DSA71254  | Oscilloscope          |
| Tektronix | DSA71254B | Oscilloscope          |
| Tektronix | DSA71604  | Oscilloscope          |
| Tektronix | DSA71604B | Oscilloscope          |
| Tektronix | DSA72004  | Oscilloscope          |
| Tektronix | DSA72004B | Oscilloscope          |
| Tektronix | DTG5078   | Data Timing Generator |
| Tektronix | DTG5274   | Data Timing Generator |
| Tektronix | DTG5334   | Data Timing Generator |
| Tektronix | DTGM10    | Output Module         |
| Tektronix | DTGM20    | Output Module         |
| Tektronix | DTGM21    | Output Module         |
| Tektronix | DTGM31    | Output Module         |
| Tektronix | DTGM32    | Output Module         |
| Tektronix | MSO2012   | Oscilloscope          |
| Tektronix | MSO2014   | Oscilloscope          |
| Tektronix | MSO2024   | Oscilloscope          |
| Tektronix | MSO3012   | Oscilloscope          |
| Tektronix | MSO3014   | Oscilloscope          |
| Tektronix | MSO3032   | Oscilloscope          |
| Tektronix | MSO3034   | Oscilloscope          |
| Tektronix | MSO3054   | Oscilloscope          |
| Tektronix | MSO4032   | Oscilloscope          |

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| Tektronix | MSO4034  | Oscilloscope                 |
| Tektronix | MSO4054  | Oscilloscope                 |
| Tektronix | MSO4104  | Oscilloscope                 |
| Tektronix | P5100    | Oscilloscope Probe           |
| Tektronix | RSA3303A | Spectrum Analyzer            |
| Tektronix | RSA3303B | Spectrum Analyzer            |
| Tektronix | RSA3308A | Spectrum Analyzer            |
| Tektronix | RSA3308B | Spectrum Analyzer            |
| Tektronix | RSA3408A | Spectrum Analyzer            |
| Tektronix | RSA3408B | Spectrum Analyzer            |
| Tektronix | RSA6106A | Spectrum Analyzer            |
| Tektronix | RSA6114A | Spectrum Analyzer            |
| Tektronix | SG503    | Leveled Sine Wave Generator  |
| Tektronix | SG5030   | Leveled Sine Wave Generator  |
| Tektronix | SG504    | Leveled Sine Wave Generator  |
| Tektronix | TDS1002  | Digital Storage Oscilloscope |
| Tektronix | TDS1002B | Digital Storage Oscilloscope |
| Tektronix | TDS1012  | Digital Storage Oscilloscope |
| Tektronix | TDS1012B | Digital Storage Oscilloscope |
| Tektronix | TDS1022  | Digital Storage Oscilloscope |
| Tektronix | TDS1022B | Digital Storage Oscilloscope |
| Tektronix | TDS2002  | Digital Storage Oscilloscope |
| Tektronix | TDS2002B | Digital Storage Oscilloscope |
| Tektronix | TDS2012  | Digital Storage Oscilloscope |
| Tektronix | TDS2012B | Digital Storage Oscilloscope |
| Tektronix | TDS2014  | Digital Storage Oscilloscope |
| Tektronix | TDS2014B | Digital Storage Oscilloscope |
| Tektronix | TDS2022  | Digital Storage Oscilloscope |
| Tektronix | TDS2022B | Digital Storage Oscilloscope |
| Tektronix | TDS2024  | Digital Storage Oscilloscope |
| Tektronix | TDS2024B | Digital Storage Oscilloscope |
| Tektronix | TDS210   | Digital Storage Oscilloscope |
| Tektronix | TDS220   | Digital Storage Oscilloscope |
| Tektronix | TDS3012  | Digital Storage Oscilloscope |
| Tektronix | TDS3012B | Digital Storage Oscilloscope |
| Tektronix | TDS3012C | Digital Storage Oscilloscope |
| Tektronix | TDS3014  | Digital Storage Oscilloscope |
| Tektronix | TDS3014B | Digital Storage Oscilloscope |
| Tektronix | TDS3014C | Digital Storage Oscilloscope |
| Tektronix | TDS3032  | Digital Storage Oscilloscope |
| Tektronix | TDS3032B | Digital Storage Oscilloscope |
| Tektronix | TDS3032C | Digital Storage Oscilloscope |
| Tektronix | TDS3034  | Digital Storage Oscilloscope |
| Tektronix | TDS3034B | Digital Storage Oscilloscope |
| Tektronix | TDS3034C | Digital Storage Oscilloscope |
| Tektronix | TDS3052  | Digital Storage Oscilloscope |
| Tektronix | TDS3052B | Digital Storage Oscilloscope |

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|-----------|----------|------------------------------|
| Tektronix | TDS3052C | Digital Storage Oscilloscope |
| Tektronix | TDS3054  | Digital Storage Oscilloscope |
| Tektronix | TDS3054B | Digital Storage Oscilloscope |
| Tektronix | TDS3054C | Digital Storage Oscilloscope |
| Tektronix | TDS320   | Digital Storage Oscilloscope |
| Tektronix | TDS340   | Digital Storage Oscilloscope |
| Tektronix | TDS360   | Digital Storage Oscilloscope |
| Tektronix | TDS380   | Digital Storage Oscilloscope |
| Tektronix | TDS410   | Digital Storage Oscilloscope |
| Tektronix | TDS410A  | Digital Storage Oscilloscope |
| Tektronix | TDS420   | Digital Storage Oscilloscope |
| Tektronix | TDS420A  | Digital Storage Oscilloscope |
| Tektronix | TDS430A  | Digital Storage Oscilloscope |
| Tektronix | TDS460   | Digital Storage Oscilloscope |
| Tektronix | TDS460A  | Digital Storage Oscilloscope |
| Tektronix | TDS5054  | Digital Storage Oscilloscope |
| Tektronix | TDS5104  | Digital Storage Oscilloscope |
| Tektronix | TDS510A  | Digital Storage Oscilloscope |
| Tektronix | TDS520A  | Digital Storage Oscilloscope |
| Tektronix | TDS520B  | Digital Storage Oscilloscope |
| Tektronix | TDS520C  | Digital Storage Oscilloscope |
| Tektronix | TDS520D  | Digital Storage Oscilloscope |
| Tektronix | TDS524A  | Digital Storage Oscilloscope |
| Tektronix | TDS540   | Digital Storage Oscilloscope |
| Tektronix | TDS540A  | Digital Storage Oscilloscope |
| Tektronix | TDS540B  | Digital Storage Oscilloscope |
| Tektronix | TDS540C  | Digital Storage Oscilloscope |
| Tektronix | TDS540D  | Digital Storage Oscilloscope |
| Tektronix | TDS544A  | Digital Storage Oscilloscope |
| Tektronix | TDS580D  | Digital Storage Oscilloscope |
| Tektronix | TDS6124C | Digital Storage Oscilloscope |
| Tektronix | TDS6154C | Digital Storage Oscilloscope |
| Tektronix | TDS620A  | Digital Storage Oscilloscope |
| Tektronix | TDS620B  | Digital Storage Oscilloscope |
| Tektronix | TDS6404  | Digital Storage Oscilloscope |
| Tektronix | TDS640A  | Digital Storage Oscilloscope |
| Tektronix | TDS644A  | Digital Storage Oscilloscope |
| Tektronix | TDS644B  | Digital Storage Oscilloscope |
| Tektronix | TDS654C  | Digital Storage Oscilloscope |
| Tektronix | TDS6604  | Digital Storage Oscilloscope |
| Tektronix | TDS6604B | Digital Storage Oscilloscope |
| Tektronix | TDS6804  | Digital Storage Oscilloscope |
| Tektronix | TDS6804B | Digital Storage Oscilloscope |
| Tektronix | TDS680B  | Digital Storage Oscilloscope |
| Tektronix | TDS680C  | Digital Storage Oscilloscope |
| Tektronix | TDS694C  | Digital Storage Oscilloscope |
| Tektronix | TDS7054  | Digital Storage Oscilloscope |

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|-----------|---------|------------------------------|
| Tektronix | TDS7104 | Digital Storage Oscilloscope |
| Tektronix | TDS724A | Digital Storage Oscilloscope |
| Tektronix | TDS724C | Digital Storage Oscilloscope |
| Tektronix | TDS724D | Digital Storage Oscilloscope |
| Tektronix | TDS744A | Digital Storage Oscilloscope |
| Tektronix | TDS754A | Digital Storage Oscilloscope |
| Tektronix | TDS754C | Digital Storage Oscilloscope |
| Tektronix | TDS754D | Digital Storage Oscilloscope |
| Tektronix | TDS784C | Digital Storage Oscilloscope |
| Tektronix | TDS784D | Digital Storage Oscilloscope |
| Tektronix | THS720  | Tekscope                     |
| Tektronix | TPS2012 | Digital Storage Oscilloscope |
| Tektronix | TPS2014 | Digital Storage Oscilloscope |
| Tektronix | TPS2024 | Digital Storage Oscilloscope |
| Tektronix | TVS621  | Waveform Analyzer            |
| Tektronix | TVS621A | Waveform Analyzer            |
| Tektronix | TVS625  | Waveform Analyzer            |
| Tektronix | TVS625A | Waveform Analyzer            |
| Tektronix | TVS641  | Waveform Analyzer            |
| Tektronix | TVS641A | Waveform Analyzer            |
| Tektronix | TVS645  | Waveform Analyzer            |
| Tektronix | TVS645A | Waveform Analyzer            |
| Tektronix | TX1     | Digital Multimeter           |
| Tektronix | TX3     | Digital Multimeter           |
| Tektronix | VX4101A | MultiPaq VXI Counter/Timer   |
| Tektronix | VX4237  | DMM (VXI)                    |
| Tektronix | VX4750  | Function Generator           |
| Tektronix | VX4792  | Arbitrary Waveform Generator |
| Tektronix | VX4802  | I/O Module                   |
| UEi       | CLM100B | Cable Length Meter           |
| UEi       | DL259   | Clamp Meter                  |
| UEi       | DL369   | Clamp Meter                  |
| UEi       | DL379   | Clamp Meter                  |
| UEi       | DL389   | Clamp Meter                  |
| UEi       | DL49    | Clamp Meter                  |
| UEi       | DL99B   | Clamp Meter                  |
| UEi       | DM391   | Multimeter                   |
| UEi       | DM392   | Multimeter                   |
| UEi       | DT301   | Digital Temperature Logger   |
| UEi       | DT302   | Digital Temperature Logger   |
| UEi       | DT304   | Digital Temperature Logger   |
| UEi       | INF151  | Infrared Thermometer         |
| UEi       | INF155  | Infrared Thermometer         |
| UEi       | INF185  | Infrared Thermometer         |
| UEi       | INF200  | Infrared Thermometer         |
| UEi       | INF215  | Infrared Thermometer         |
| Valhalla  | 2111A   | Digital Power Analyzer       |

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|----------------|------------|------------------------------|
| VX Instruments | VX2600     | DC Source                    |
| VX Instruments | VX2022     | Digitizer                    |
| Wavetek/Datron | 1362/S/MT  | Digital Multimeter           |
| Wavetek        | 1395       | Arbitrary Waveform Generator |
| Wavetek        | 15XL       | Digital Multimeter           |
| Wavetek        | 16XL       | Digital Multimeter           |
| Wavetek        | 38XR       | Digital Multimeter           |
| Wavetek        | 81         | Pulse/Function Generator     |
| Wavetek        | 8501       | Power Meter                  |
| Wavetek        | 8501A      | Power Meter                  |
| Wavetek        | 8502       | Power Meter                  |
| Wavetek        | 8502A      | Power Meter                  |
| Wavetek        | 9500       | Mainframe                    |
| Wavetek        | 9520       | Active Head                  |
| Wavetek        | 9530       | Active Head                  |
| Wavetek        | LCR55      | Component Tester             |
| Wiltron        | 60N50      | SWR Bridge                   |
| Xantex         | XFR Series | DC Power Supply              |
| Yokogawa       | 701265     | Voltage Module               |
| Yokogawa       | 701270     | Strain Module                |
| Yokogawa       | 701280     | Frequency Module             |
| Yokogawa       | CA12       | Temperature Calibrator       |
| Yokogawa       | CA51       | Calibrator                   |
| Yokogawa       | CA71       | Calibrator                   |
| Yokogawa       | CW140      | Clamp On Power Meter         |
| Yokogawa       | PZ4000     | Power Analyzer               |
| Yokogawa       | WT3000     | Precision Power Analyzer     |