

**DIODE LASER SPECTROSCOPY - Introduced 2005 FPFabry PerotAalborg Un.FP, Denmark**

|   |  |                                 |
|---|--|---------------------------------|
| Albion College                          | High Point Un.FP                           | Northern Michigan Un.* FP       |
| Amherst CollegeFP                       | Hillsdale CollegeFP                        | Northwestern Un.                |
| Augustana CollegeFP                     | Hobart & William SmithFP                   | Ohio State Un.                  |
| Austin Peay State Un.FP                 | Hope College                               | Penn. State Un., Berks          |
| Bloomsburg Un.                          | Houghton College                           | Penn. State Un., Un. Park       |
| Bowdoin College                         | Indiana Un.FP                              | Philipps Un. MarburgFP, Germany |
| Brooklyn CollegeFP                      | Information Systems LabFP                  | Polytechnic Un.                 |
| Cal Poly, San Luis Obispo               | Lebanon Valley CollegeFP                   | Ohio State Un.                  |
| Cal. State Un., Fresno                  | Lehman College                             | Penn. State Un., Berks          |
| Cal. State Un., FullertonFP             | Lewis & Clark CollegeFP                    | Penn. State Un., Un. Park       |
| Cal. State Un.FP, Sacramento            | Loughborough Un.FP                         | Philipps Un. MarburgFP, Germany |
| Cal. State Un., Stanislaus              | Loyola of Maryland                         | Polytechnic Un.                 |
| Caltech*                                | Loyola Un. of New Orleans                  | Princeton Un., EEFP             |
| Calvin College                          | Marshall Un. FP                            | Radford Un.FP                   |
| Central Washington Un.                  | McGill Un.FP, Canada                       | Regis Un.FP                     |
| Chalmers Un. of TechnologyFP,<br>Sweden | McMaster Un.FP, Canada                     | Research Foundation of CUNY     |
| Chinese Un. of Hong Kong                | Memorial Un. of Newfoundland,<br>CAFP      | RWTH AachenFP*, Germany         |
| Claremont Col.                          | Metropolitan State College of<br>DenverFP  | Saginaw Valley State Un.        |
| Cornell Un.                             | Michigan State Un.FP Missouri<br>State Un. | Saint Cloud State Un.           |
| Dartmouth CollegeFP                     |  | Saint Mary's Un.                |
| Denison Un.FP                           | Mount Union College                        | Saint Olaf College              |
| DePauw Un.                              | Natl. Taiwan Un., Taiwan                   | San Francisco State CollegeFP   |
| Embry-Riddle Aero Un.FP                 | Nazarbayev Un.FP, Kazakhstan               | Santa Clara Un.C; FP            |
| Franklin & Marshall College             | New Mexico Tech                            | Seattle Un*FP                   |
| Fort Lewis CollegeFP                    | New York Un.                               | Seoul Nat. Un., Korea           |
| Gordon College                          | North Central CollegeFP                    | Sikkim Un.FP, India             |
| Grant MacEwan Un., CAFP                 |  | Smith CollegeFP                 |

|                                  |                                 |                                       |
|----------------------------------|---------------------------------|---------------------------------------|
| SUNY, GeneseoFP                  | Un. of Calcutta, India          | Un. of Tennessee, Chattanooga         |
| SUNY, OneontaFP                  | Un. of Central LancashireFP, UK | Un. of Texas, BronsvilleFP            |
| SUNY, OswegoFP                   | Un. College LondonFP, UK        | Un. of Texas, Dallas                  |
| Syracuse Un.FP                   | Un. of Evansville               | Un. of the Fraser ValleyFP, Canada    |
| Tampere Un. of Tech., Finland    | Un. of Georgia                  | Un. of Tulsa                          |
| TU BraunschweigFP, Germany       | Un. of HartfordFP               | Un. of VictoriaFP, Canada             |
| TU DortmundFP, Germany           | Un. of IcelandFP                | Un. of Windsor, Canada                |
| TU KaiserslauternFP, Germany     | Un. of Kassel, Germany          | Un. of Wisconsin,Whitewater           |
| Temple Un.                       | Un. of KinshasaFP               | Utrecht UniversityFP, The Netherlands |
| The Technion, Israel             | Un. of La VerneFP               | Vinh Un.FP, Vietnam                   |
| Trinity College, Dublin, Ireland | Un. of ManitobaFP, Canada       | Virginia Commonwealth Un.             |
| Un. of AlbertaFP, Canada         | Un. of Michigan, Ann Arbor      | Washington Un.FP                      |
| U.S. Naval AcademyFP             | Un. of Michigan, Dearborn       | Waterford Inst. of TechFP, Ireland    |
| Un. of Arkansas, FayettevilleFP  | Un. of Minnesota*, Duluth       | Wells CollegeFP                       |
| Un. of Calgary, Canada           | Un. of NamurFP, Belgium         | Western Kentucky Un.FP                |
| Un. of CA, Irvine FP             | Un. of North Alabama            | Western Washington Un.                |
| Un. of CA, MercedFP              | Un. of QueenslandFP, Australia  | Winona State Un.                      |
| Un. of CA, RiversideFP           | Un. of RedlandsFP               | Youngstown State Un.FP                |
| Un. of CA, Santa BarbaraFP       | Un. of SalzburgFP, Austria      |                                       |
| Un. of CA, Santa Cruz FP         | Un. of SussexFP, UK             | Back to top                           |

**EARTH'S FIELD NMR - Introduced 2001 Gradient/Field Coil System;HP Hall Effect Probe; SFC Spin Flip Coils**

|                                 |  |  |
|---------------------------------|--|--|
| Abilene Christian Un.G          | Drury Un.G/HP                                    | North Carolina State Un.               |
| Appalachian State Un.G/HP/ SFC  | ENSEAG, France                                   | Northern Illinois Un.G                 |
| Australian National Un.G        | ESPCI Paris TechG, France                        | Ohio State Un.G/HP/SFC                 |
| Baldin-Wallace CollegeG/HP/ SFC | Embry-Riddle Aero Un.                            | Ohio Un., Athens                       |
| Bard College                    | Florida Atlantic Un.G                            | Ohio Wesleyan Un.                      |
| Biosense WebsterG, Israel       | Florida Int'l Un.G                               | Onset for Natl Chiao Tung Un.G, Taiwan |
| Bloomsburg Un.HP                | Forchung. JuelichG;SFC, Germany                  | Penn. St. Un., Erie                    |
| Brown UniversityG               | Fordham Un.G                                     | Penn. St. Un., Un. ParkG/HP            |
| Buffalo State CollegeG/HP       | Gonzaga Un.G                                     | Presbyterian CollegeG                  |
| Cal. State Un., East Bay G      | Grant MacEwan, CAG                               | Queen's Un.G, Belfast, UK              |
| Cal. State Un., FresnoG         | Hartwick CollegeG; SFC                           | Radboud Un. NijmegenG, Netherlands     |
| Cal. State Un., SacramentoHP    | Harvard Un.                                      | Rensselaer Polytechnic Inst.G          |
| Cal. State Un., San MarcosG/HP  | Hitachi, Ltd.G, Japan                            | Rochester Inst. of TechG               |
| Calvin College                  | IBM Corporation                                  | Royal HollowayG, UK                    |
| Canisius College                | Indian Un., BloomingtonG;SFC<br>Iowa State Un.*G | Saint Louis Un.HP                      |
| Carleton CollegeG               | James Madison Un.G/HP                            | Saint Mary's Un.G, Nova Scotia         |
| Carleton Un.                    | John Carroll Un.                                 | Saint Michael's CollegeG               |
| Chinese Un. of Hong Kong, China | Lehigh Un.G                                      | San Diego State Un.*G                  |
| Chonbuk National Un. Korea      | Lycoming CollegeG                                | San Francisco State Un.G/HP            |
| Clemson Un.HP                   | McDaniel College                                 | Seoul National Un.G/HP/SFC, Korea      |
| Cleveland State Un.             | Miami-Dade CollegeHP                             | Sewanee, Un. of the SouthG*            |
| College of the Holy Cross       | Miami Un., Ohio*G                                | Simon Fraser Un.G, Canada              |
| Coe CollegeG; SFC               | Muhlenberg CollegeG/HP                           | Slippery Rock Un.G/HP                  |
| Colorado College                | National Research CouncilG/HP, Canada            | Sogang Un.G/HP, Korea                  |
| Davidson CollegeG; SFC          | National Taiwan Un., Taiwan                      | Southern Adventist Un. G/HP/SFC        |
| De La Salle Un., Philippines    | Nazarbayev Un.G, Kazakhstan                      |  |

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|---|--|-------------------------------------|
| Suffolk Un.G                                  | Un. of Namur (FUNDP)G, Belgium                 | Un. of Washington                   |
| Tennessee Tech. Un.G                          | Un. of Nebraska, KearneyG                      | Un. of Winnipeg G                   |
| Toyohashi Un. of Tech*G, Japan                | Un. of Nebraska, OmahaG/HP                     | Un. of Wisconsin, La CrosseG/SFC/HP |
| Transonic Systems Inc.GU. S. Military Academy | Un. of New Brunswick, FrederictonG;SFC, Canada | Un. of Wisconsin, Madison           |
| Un. of Arkansas, Fayetteville G               | Un. of New Brunswick, St John, Canada          | Un. of Wisconsin, MilwaukeeG/HP     |
| Un. of British ColumbiaG, Canada              | Un. of North Carolina, Charlotte               | Un. of Wisconsin, WhitewaterG       |
| Un. of Cal., Davis                            | Un. of Northern Colorado                       | Valparaiso Un.G; SFC                |
| Un. of Colorado, Boulder                      | Un. of Pittsburgh                              | Villanova Un.HP                     |
| Un. of Connecticut G/HP                       | Un. of RochesterG/HP/SFC                       | Walla Walla College                 |
| Un. of GavleG, Sweden                         | Un. of SalzburgG, Austria                      | Washington CollegeG                 |
| Un. of Kansas                                 | Un. of Southampton, UK                         | Western Conn. State Un.G            |
| Un. of Lausanne, Switzerland                  | Un. of Southern Cal.G                          | Western Kentucky Un.G/HP/SFC        |
| Un. of Leeds C, UK                            | Un. of the Sciences in Philadelphia G/HP       | Wittenberg Un.G                     |
| Un. of Lethbridge, Canada                     | Un. of the South*                              | Yale Un.HP                          |
| Un. of LouisianaG, Lafayette                  | Un. of Toronto, ScarboroughHP:G;SFC, Canada    | Yeshiva Un. HP                      |
| Un. of MarylandG, College Park                |  | Back to top                         |
| Un. of Michigan, Dearborn G                   |  |                                     |

## FARADAY ROTATION – Introduced 2004 PAA Power Audio Amplifier

|                                |   |  |
|--------------------------------|---|--|
| Acadia Un.PAA                  | Drew Un.PAA                                     | National Chung Cheng Un.PAA,<br>Taiwan |
| Agnes Scott College            | Eastern Washington Un.PAA                       | National Cheng-Kung Un.*, Taiwan       |
| Auburn Un.                     | Ecole PolytechniquePAA                          | National Taiwan Un., Taiwan            |
| Augustana Col.PAA, S. Dakota   | Elmhurst CollegePAA                             | National Tsing-Hua Un.*PAA,<br>Taiwan  |
| Austin College                 | Emporia State Un.PAA                            | Nazarbayev Un., KazakhstanPAA          |
| Bilkent Un. Cr, Turkey         | ETSI De BilbaoPAA, Spain                        | New Mexico Tech                        |
| Binghamton Un.PAA              | Fairfield Un.                                   | Norfolk State Un.PAA                   |
| BITS, Pilani IndiaPAA          | Forschungszentrum Rossendorf,<br>Germany        | North Carolina State Un.PAA            |
| Boston Un.                     | Hartwick CollegePAA                             | North Central College                  |
| Brock Un.*, Canada             | Hastings College                                | North Georgia College & St.<br>Un.PAA  |
| Cal StatePAA, Bakersfield      | Hillsdale College                               | Northwestern Un.PAA                    |
| Cal StatePAA, East Bay         | Illinois State Un.PAA                           | Louisiana Tech Un.PAA                  |
| Cal StatePAA, Fresno           | IIT Dehli, India                                | Lycoming College PAA                   |
| Cal State Un.*PAA, Fullerton   | Indiana Un. Southeast                           | Millersville Un.PAA                    |
| Cal State Un.PAA, Long Beach   | IUCAAPAA, India                                 | Polytechnic Un.PAA                     |
| Camden County CollegePAA       | Lafayette Col.                                  | Prairie View A&M Un.                   |
| Central Missouri State Un.PAA  | Leibniz Un. HannoverPAA,<br>Germany             | Queensland Un. of Tech, Australia      |
| Chiang Mai Un.PAA, Thailand    | Lewis Un.PAA                                    | Radboud Un.*,The Netherlands           |
| Chulalongkorn Un.PAA, Thailand | Loyola Un. of ChicagoPAA                        | Radford Un.PAA                         |
| College of CharlestonPAA       | Manhattan CollegePAA                            | Rensselaer Polytech Inst.              |
| College of New Jersey          | Metropolitan State<br>College, DenverPAA        | Rhodes Un., S. AfricaPAA               |
| College of William & Mary*PAA  | Mississippi State Un.PAA                        | Rochester Inst. of Tech.PAA            |
| Colorado College               | Moravian CollegeMurdoch<br>Un.PAA, W. Australia | Royal Holloway LondonPAA               |
| Dartmouth CollegePAA           | Nanyang Tech Un.PAA*, Singapore                 | Saint Louis Un.                        |
| Davidson College               | National Chiao Tung Un.PAA,<br>Taiwan           | San Francisco State Un.PAA             |
| Denison Un.PAA                 |   |  |
| DePaul Un.PAA                  |   |  |

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|-------------------------------------|---------------------------------------|--|
| San Jose State Un.PAA               | Un. of Colorado, Colorado SpringsPAA  | Un. of TennesseePAA, Martin            |
| Santa Clara Un.*PAA                 | Un. of DaytonPAA                      | Un. of TexasPAA, Dallas                |
| Seattle Un.                         | Un. of DundeePAA, Scotland            | Un. of the Sciences in PhiladelphiaPAA |
| Seoul National Un*; PAA,South Korea | Un. of Hawaii, ManoaPAA               | Un. of Trinidad & Tobago*PAA, W.I.     |
| Sikkim Un., India                   | Un. of Indonesia                      | Un. of West IndiesPAA, Barbados        |
| Simon Fraser Un., Canada            | Un of Kansas                          | Un. of WinnipegPAA, Canada             |
| Slippery Rock Un.PAA                | Un. of KinshasaPAA                    | Un. of Wisconsin, La Crosse            |
| Smith CollegePAA                    | Un. of La Verne                       | Un. of Wisconsin, Milwaukee            |
| Socrates Health SolutionsPAA        | Un. of Michigan*PAA, Ann Arbor        | Un. of Wollongong, Australia           |
| Sogang Un.PAA, South Korea          | Un. of Missouri*PAA, Columbia         | Virginia Polytech*PAA                  |
| SUNY, BinghamtonPAA                 | Un. of Missouri*PAA, Kansas City      | Walla Walla College                    |
| SUNY, BuffaloPAA                    | Un. of Montreal, Canada               | Washington CollegePAA                  |
| Thompson Rivers Un.                 | Un. of NebraskaPAA, Omaha             | Western Illinois Un.                   |
| Towson Un.PAA                       | Un. of New HampshirePAA               | Western Kentucky Un.PAA                |
| Truman State Un.                    | Un. of North AlabamaPAA               | Westminster CollegePAA                 |
| US Naval Academy                    | Un. of North CarolinaPAA, Chapel Hill | Whittier CollegePAA                    |
| Un. of Alberta*PAA, Canada          | Un. of North FloridaPAA               | Whitworth Un.PAA                       |
| Un. of ArizonaPAA                   | Un. of Portland                       | Xavier Un.PAA                          |
| Un of Bristol, UK                   | Un of Regensburg*PAA, Germany         | Youngstown State UnPAA                 |
| Un. of BC-OkanaganPAA, Canada       | Un. of RochesterPAA                   | Back to top                            |
| Un. of Central Arkansas             | Un. of SalzburgPAA, Germany           |  |
| Un. of Chicago                      | Un. of SantiagoPAA, Chile             |  |
| Un. College CorkPAA, Ireland        |                                       |  |

## FOURIER METHODS – Introduced 2012

|                                     |                                    |                                     |
|-------------------------------------|------------------------------------|-------------------------------------|
| Biola Un.                           | Loyola Un. of Chicago              | Un. of Iowa                         |
| California Institute of Technology* | New Jersey Institute of Technology | Un. of Kansas                       |
| Cal Poly, San Luis Obispo           | Rensselaer Polytechnic Inst.       | Un. of Koeln, Germany               |
| Col. of Charleston                  | Rhodes Un., S. Africa              | Un. of Leeds, UK                    |
| Drake Un.                           | Santa Clara Un. Seoul National Un. | Un. of North Florida                |
| Eastern Illinois Un.                | Simpson College                    | Un. of Northern Colorado            |
| Eastern Michigan Un.                | Slippery Rock Un.                  | Un. of Prince Edward Island, Canada |
| Evergreen State Col.                | SUNY, Binghamton                   | Un. of Redlands                     |
| Fairfield Un.                       | SUNY, Oswego                       | Un. of Southern California          |
| Gordon College*                     | Trinity College                    | Un. of Stuttgart*, Germany          |
| Kansas State Un.                    | Un. of Calgary, Canada             | Un. of Tulsa                        |
| Lafayette College                   | Un. of Cincinnati                  | Washington College                  |
| Le Moyne College                    | Un. of Michigan                    | Washington Un. in St. Louis         |
|                                     |                                    | Wells College                       |

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## HALL EFFECT PROBE - Introduced 2000

|                             |   |                                   |
|-----------------------------|---|-----------------------------------|
| Agnes Scott College*        | Eastern Washington Un.                    | Lycoming College                  |
| Appalachian State Un.       | Ecole Polytechnique                       | Merrillville Com. School          |
| Augustana College, SD*      | ENS Cachan, France                        | Merrimack College                 |
| Ball State Un.              | Forschungszentrum Rossendorf,<br>Germany  | Miami-Dade College*               |
| Berea College*              | Fort Lewis Col.                           | Muhlenberg College                |
| Bilkent Un. Cr, Turkey      | Georgia Inst. of Technology               | Murdough Un., W. Australia        |
| Biola Un.                   | Gonzaga Un.*                              | Minnesota State College*          |
| Bloomsburg Un.              | Grand Prairie Regional Col.*              | Moravian College                  |
| Boston College*             | Grove City College                        | Montgomery College*               |
| Bowdoin College             | Guilford College                          | Mount Olive College               |
| Buffalo State College       | Hanover College*                          | Mount Union College               |
| Cal. State Un., Fullerton*  | Hartwick College                          | Murdoch Un., W. Australia         |
| Cal. State Un., Sacramento  | Hastings College                          | National Chung Cheng Un., Taiwan  |
| Cal. State Un., Stanislaus* | Henry Ford Comm. College                  | National Research Council, Canada |
| Central Missouri State Un.* | Indian Institute of Tech. Delhi,<br>India | Nazarbayev Un., Kazakhstan        |
| Chulalongkorn Un., Thailand | Ithaca College                            | New Mexico Tech                   |
| Clark Un.*                  | James Madison Un.*                        | Norfolk State Un.                 |
| Clemson Un.*                | Kalamazoo College*                        | No Carolina A&T State Un.         |
| College of Charleston       | Kansas State Un.*                         | No Carolina School of Sci & Math* |
| College of New Jersey       | KZU, Switzerland                          | Northeastern Illinois Un.         |
| Colorado College            | Keene State College                       | Northern Illinois Un.             |
| Colorado State Un., Pueblo  | Kenyon College                            | Ohio State Un.                    |
| Daemen College              | Lakehead Un., Canada Le Moyne<br>College  | Penn. College of Technology*      |
| Dalhousie Un.*              | Lewis Un.                                 | Phillips Exeter Academy           |
| Denison Un.                 | Lewis & Clark Col.                        | Penn. State Un., Un. Park         |
| Dickinson College           |   | Prairie View A&M Un.              |
| Drury Un.                   |   | Purdue Un. Calumet                |



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|---|-------------------------------------|-------------------------------|
| Rajamangala Un. of Tech.Thailand        | Un. of Hamburg, Germany             | Un. of Virginia               |
| Robert Morris Un.*                      | Un of Kinshasa, Congo               | Un. of West Indies*, Barbados |
| Saint Cloud Un.                         | Un. ov Lethbridge, Canada           | Un. of Wisconsin, Eau Claire  |
| Saint Louis Un.*                        | Un. of Memphis                      | Un. of Wisconsin, Milwaukee   |
| San Francisco State Un.                 | Un. of Michigan, Ann Arbor*         | Un. of Wisconsin, Platteville |
| San Jose City College*                  | Un. of Michigan, Flint              | Un. of Wisconsin, Superior    |
| Seattle Un.*                            | Un. of Missouri, KC                 | UKn. of Wyoming               |
| Seoul National Un., Korea               | Un. of Montana, Missoula            | Vanderbilt Un.                |
| Slippery Rock Un.*                      | Un. of Nebraska, Omaha              | Villanova Un.                 |
| Sogang Un., Korea                       | Un. of New South Wales              | Washington College            |
| South Dakota Sate Un.*                  | Un. of North Alabama                | Watchung Hills Reg. High*     |
| St. Joseph's Collegiate Ins*            | Un. of North Carolina, Pembroke*    | West Virginia Un.*            |
| St. Louis Un.*                          | Un. of Portland                     | Western Illinois Un           |
| SUNY, Geneseo                           | Un. of Regina*, Canada              | Western Kentucky Un.          |
| Syracuse Un.*                           | Un. of Richmond                     | Western Washington Un.        |
| Tarleton State Un.                      | Un. of St. Andrews*,Scotland        | Westminster College           |
| Temple Un.                              | Un. of South Carolina*              | Whittier College              |
| Texas Christian Un.                     | Un. of Southern Colorado*           | Wichita St. Un.*              |
| Thomas Nelson Com. Col                  | Un. of Southern Maine               | William Jewell College        |
| Thompson Rivers Un.,Canada              | Un. of the Fraser Valley, Canada    | Yale Un.                      |
| U. S. Naval Academy Un. of Cal., Merced | Un. of the Sciences of Philadelphia | Yeshiva Un.                   |
| Un. of Central Arkansas*                | Un. of Texas, Austin                | York Un., Canada              |
| Un. of Connecticut                      | Un. of Texas, Pan American*         | Back to top                   |
| Un. of Dayton                           | Un. of Toronto, Scarborough, Canada |                               |
| Un. of Denver                           | Un. of Trinidad & Tobago*, W.I.     |                               |

## MAGNETIC FORCE - Introduced 1999 HP Hall Effect Probe

|                                |  |  |
|--------------------------------|--|--|
| Acadia Un.                     | Eastern Washington Un. HP                          | Loyola College*                          |
| Agnes Scott College            | Elon Un.   | Loyola Marymount Un.                     |
| Augustana College HP, SD       | ESPCI-Ville de Paris, France                       | Lycoming College HP                      |
| Bennington College             | Florida Intl. Un.                                  | Marquette Un.                            |
| Berea College* HP              | Florida State Un.                                  | Massachusetts Inst of Tech*              |
| Boise State Un.                | Forschungszentrum Rossendorf,<br>Germany HP        | Metropolitan State Col. of Denver        |
| Boston College* HP             | Fort Hays State Un.                                | Miami-Dade College* HP                   |
| Brooklyn College, CUNY         | Fort Lewis College* HP                             | Montana State Un., Bozeman               |
| Buffalo State College HP       | Gettysburg College*                                | Mount Olive College HP                   |
| Cal State Un., East Bay        | Gordon College                                     | Mount Union College HP                   |
| Cal State Un., Stanislaus* HP  | Grand Valley State Un.                             | Murdoch Un.* HP, W. Australia            |
| Carleton College               | Guilford College HP                                | Natl Chiao Tung Un., Taiwan              |
| Carleton Un., Canada           | Hartnell Community College                         | Natl Chung Cheng Un.* HP, Taiwan         |
| Central Michigan Un.           | Hastings College* HP                               | Natl Dong-Hwa Un.* , Taiwan              |
| Central Missouri State Un. HP  | Henderson State Un.                                | Natl Tsing-Hua Un.* , Taiwan             |
| Chonbuk National Un., Korea    | Henry Ford Comm. College HP                        | Nazarbayev Un., Kazakhstan HP            |
| Chulalongkorn Un. HP, Thailand | Hillsdale College                                  | No. Carolina A&T State Un. HP            |
| Clark Un. HP                   | IPMC, France                                       | No. Carolina School of Sci &<br>Math* HP |
| Clemson Un. HP                 | Irvine Valley College                              | North Georgia College/St. Un.*           |
| Cleveland State Un.*           | Ithaca College HP                                  | Ohio State Un. Columbus HP               |
| College of Charleston HP       | IUCAA, India                                       | Ohio Un., Chillicothe                    |
| College of Eastern Utah*       | James Madison Un.* HP Lakehead<br>Un. Canada HP    | Okanagan College, Canada                 |
| College of Notre Dame, MD      | Le Moyne College HP                                | Phillips Exeter Academy*                 |
| Colorado State Un., Pueblo HP  | Liceo Classico "Aristosseno",<br>Taranto, Italy    | Prairie View A&M Un.* HP                 |
| Daemen College HP              | Liceo Classico "V. Emanuele II ",<br>Napoli, Italy | Rhodes Un., S. Africa                    |
| Denison Un. HP                 |  | Rockhurst College                        |
| Dickinson College HP           |  | Rose-Hulman Inst. of Technology          |

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|------------------------------------|-------------------------------------|-----------------------------------|
| Saint Ambrose Un.*                 | Un. of Cal., MercedHP               | Un. of Texas*HP, Pan American     |
| Saint Cloud Un.HP                  | Un. College London, UK              | Un. of Trinidad & Tobago*HP, W.I. |
| Saint Joseph's Coll Ins.HP         | Un. of Colorado                     | Un. of West Indies*HP, Barbados   |
| Saint Louis Un.*HP                 | Un. of Connecticut*HP               | Un. of Western Ontario, Canada    |
| Saint Olaf College                 | Un. of DaytonHP                     | Un. of Wisconsin, Milwaukee       |
| San Jose City College*             | Un of Guelph*, Canada               | Un. of Wisconsin, Platteville     |
| Seattle Un.*                       | Un. of Hamburg, GermanyHP           | Un. of Wisconsin, Superior        |
| Seoul National Un., Korea          | Un of Lausanne, Switzerland         | Villanova Un.HP                   |
| Shippensburg Un.*                  | Un. of MichiganHP, Flint            | Wake Technical Community College  |
| Siena College                      | Un. of Montana*HP, Missoula         | Watchung Hills Reg. HighHP*       |
| Slippery Rock Un.*                 | Un. of Nebraska, OmahaHP            | Wells College                     |
| Smith College*                     | Un. of North Florida*               | West Virginia Un.HP               |
| So. Orange State Comm. College     | Un. of Northern Iowa                | Western Illinois Un.HP            |
| Southern Connecticut State Un.     | Un. of Nottingham*, UK              | Western Kentucky Un. HP           |
| SUNY, Binghamton*                  | Un. of Redlands*                    | Western State College of Colorado |
| SUNY, Fredonia                     | Un. of Regina*HP, Canada            | Western Washington Un.*HP         |
| SUNY, GeneseoHP                    | Un. of RichmondHP                   | Westminster CollegeHP             |
| SUNY, Oneonta Tarleton State Un.HP | Un. of St Andrews*HP,Scotland       | Whitworth College                 |
| Temple Un.HP                       | Un. of St Thomas                    | William Jewell College*HP         |
| Texas Christian Un.*HP             | Un of Salerno, Italy                | Winona State Un.                  |
| U.S. Naval AcademyHP               | Un. of San Diego*                   |                                   |
| Un. of Akron*                      | Un. of Southern ColoradoHP          | Back to top                       |
| Un. of Calgary*, Canada            | Un. of Southern MaineHP             |                                   |
| Un. of Cal.*, Berkeley             | Un. of the Sciences, PhiladelphiaHP |                                   |

## MAGNETIC TORQUE - Introduced 1997 - 2 2010 Model

|  |   |  |
|--|---|--|
| Abilene Christian Un.                    | Cambridge Un., UK                           | ENS Cachan, France                     |
| Aberystwyth Un.,UK                       | Carnegie Mellon Un.                         | EPFL, Lausanne, Switzerland            |
| Acadia Un.                               | Centenary Col. of Louisiana                 | ESPCI-Ville de Paris2, France          |
| Agnes Scott College                      | Central Michigan Un.                        | Florida A&M Un.                        |
| Appalachian State Un.                    | Centre College of Kentucky                  | Florida Intl. Un.                      |
| Arizona State Un.                        | Chaing Mai Un.* , Thailand                  | Freie Un., Berlin*, Germany            |
| Arkansas State Un.                       | Chonbuk National Lab, Korea                 | Gettysburg College                     |
| Augusta State Un.                        | Clemson Un.                                 | Gonzaga Un.2*                          |
| Birmingham Southern Col.                 | Coe College                                 | Gordon College                         |
| Boise State Un.                          | College of the Holy Cross                   | Guilford College                       |
| Boston College*                          | College of NJ                               | Hamilton College                       |
| Boston Un.*                              | Colorado College                            | Hamline Un.                            |
| Bowdoin College                          | Colorado State Un.                          | Hartwick College                       |
| Brooklyn College, CUNY                   | Columbus State Com. Coll.                   | Harvard Un.                            |
| Brown Un.                                | Creighton Un.                               | Harvey Mudd College                    |
| Bucknell Un.                             | Dalhousie Un., Canada                       | Haverford College                      |
| Buffalo State College                    | Dartmouth College                           | Helsinki Un. of Technology,<br>Finland |
| Butler Un.                               | Davidson College                            | Hillsdale College                      |
| Cal. Institute of Technology             | Denison Un.                                 | Hobart and William Smith               |
| Cal. Poly. State Un., San Luis<br>Obispo | Dickinson College                           | IBM Corporation                        |
| Cal. State Un., San Marcos               | Drake Un.                                   | Illinois State, Un.                    |
| Cal. State Un., Chico                    | Drew Un.                                    | Indian Inst. of Tech,India             |
| Cal. State Un., East Bay                 | Drury Un.                                   | IUCAA, India                           |
| Cal. State Un., Fresno                   | Dublin Inst of Tech, Ireland                | Indiana Un.                            |
| Cal. State Un., Fullerton                | Eastern Oregon State Un.                    | Iowa State Un.                         |
| Cal. State Un., Los Angeles              | Ecole d'Ingenieurs Fribourg,<br>Switzerland | Jefferson Labs                         |
| Calvin College                           | Emporia State Un.                           |  |

|  |                                       |                                |
|--|---------------------------------------|--------------------------------|
| Johannes Gutenberg Un. Mainz,<br>Germany   | Morgan State Un.                      | Rowan Un.*                     |
| Johann Wolfgang Goethe Un.,<br>Germany     | Mount Union College                   | Saint Cloud State Un.          |
| Johns Hopkins Un.*                         | Murdoch Un., W. Australia             | Saint Joseph's Coll. Inst.     |
| Kansas State Un.2*                         | National Chiao Tung Un., Taiwan       | Saint Louis Un.                |
| Kenyon College                             | National Chung Cheng Un., Taiwan      | Saint Olaf College             |
| Lafayette College                          | National Dong-Hwa Un., Taiwan         | Sam Houston State Un.          |
| Lake Forest College                        | Nazarbayev Un., Kazakhstan            | Seattle Un.                    |
| Leibniz Inst., Germany                     | Nelson Mandela Met. Un., S.<br>Africa | Sewanee, Un. of the South      |
| Le Moyne College                           | New York Un.                          | Shaw Un.                       |
| Lewis Un.                                  | Norfolk State Un.                     | Siena College                  |
| Lewis & Clark College    Loyola<br>College | North Carolina A&T Un.                | Simpson College                |
| Loyola Marymount Un.                       | North Central College                 | Slippery Rock Un.              |
| Lycoming College                           | North Georgia College                 | Smith College*                 |
| Philipps Un. Marburg, Germany              | Northeastern Illinois Un.             | Sogang Un., Korea              |
| Marietta College                           | Northwestern Un.                      | Southwest Missouri State Un.   |
| Massachusetts Col. of Liberal Arts<br>2    | Ohio Un., Athens                      | Stanford Un.*                  |
| Max-Planck-Ins., Garching,<br>Germany      | Okanagan Un. College, Canada          | Stephen F. Austin State Un.    |
| McDaniel College                           | Old Dominion Un.                      | SUNY, Binghamton               |
| Mercer Un.                                 | Otterbein College                     | SUNY, Fredonia                 |
| Merrimack College2                         | Pacific Un.*                          | SUNY, Oneonta                  |
| Metro State College of Denver              | Penn College of Technology*           | SUNY, Stony Brook              |
| Miami-Dade College                         | Phillips Exeter Academy               | Swarthmore College             |
| Miami Un., Ohio C/PH                       | Principia College                     | Syracuse Un.2                  |
| Minnesota State Un., Moorhead              | Purdue Un., West Lafayette            | Swiss Science Cnt. Technorama2 |
| Mississippi State Un.                      | Pusan Un., Korea                      | Tarleton State Un.             |
|  | Reed College*                         | TU Braunschweig, Germany       |
|  | Rensselaer Poly. Inst.*               | TU Darmstadt, Germany          |
|  | Rhodes Un., S. Africa                 | TU Dortmund, Germany           |

|                                   |                                     |  |
|-----------------------------------|-------------------------------------|--|
| TU Dresden <sup>2</sup> , Germany | Un. of Connecticut <sup>2</sup>     | Un. of North Carolina, Charlotte           |
| TU Munchen, Germany               | Un. of Florida                      | Un. of North Carolina, Pembroke            |
| Temple Un.*                       | Un. of Freiburg, Germany            | Un. of North Florida*                      |
| Tennessee Technological Un.       | Un. of Geneve, Switzerland          | Un. of Northern Iowa*                      |
| Texas A & M Un., College Sta.     | Un. of Groningen, Netherlands       | Un. of Nottingham*, UK                     |
| Texas A & M Un., Commerce         | Un. of Hartford                     | Un. of Pennsylvania <sup>2</sup>           |
| Texas Christian Un.               | Un. of Iceland, Iceland             | Un. of Pittsburgh C                        |
| Thomas Nelson Community College   | Un of Illinois, Chicago             | Un. of Pittsburgh                          |
| Union College                     | Un. of Indonesia                    | Un. of Poitiers, France                    |
| Union Un.                         | Un. of Iowa*                        | Un. of Queensland <sup>2</sup> , Australia |
| U.S. Air Force Academy            | Un. of Kansas                       | Un. of Regensburg, Germany                 |
| U.S. Naval Academy                | Un. of Koeln, Germany               | Un. of Regina, Canada                      |
| Un. of Akron                      | Un. of Lausanne, Switzerland        | Un. of Saint Thomas                        |
| Un. of Alabama, Tuscaloosa        | Un. of los Andes, Colombia          | Un. of Siegen, Germany                     |
| Un. of Alaska, Fairbanks*         | Un. of Louisville                   | Un. of South Carolina, Columbia*           |
| Un. of Alberta, Canada            | Un. of Mass., Amherst C             | Un. of Southern Colorado                   |
| Un. of Bayreuth*, Germany         | Un. of Melbourne, Australia         | Un. of Southern Maine                      |
| Un. of Bielefeld, Germany         | Un. of Michigan, Ann Arbor          | Un. of Stuttgart, Germany                  |
| Un. of Bern, Switzerland          | Un. of Michigan, Dearborn           | Un. of Surrey, UK                          |
| Un. of Birmingham, UK             | Un. of Michigan, Flint <sup>2</sup> | Un. of Tennessee, Knoxville                |
| Un. of Bonn, Germany              | Un. of Missouri, Columbia*          | Un. of Texas, Austin                       |
| Un. of Calgary, Canada            | Un. of Montana, Missoula            | Un. of Texas, Pan American                 |
| Un. of Cal., Berkeley             | Un. of Nebraska, Kearney            | Un. of The Science, Philadelphia           |
| Un. of Cal., Los Angeles          | Un. of Nebraska, Omaha              | Un. of The West Indies*, West Indies       |
| Un. of Chicago                    | Un. of New England                  | Un. of Tokyo, Japan                        |
| Un. of Cincinnati*                | Un. of New Mexico                   | Un. of Trinidad & Tobago*, W.I.            |
| Un. of Colorado, Boulder*         | Un. of New South Wales              | Un. of Ulm, Germany                        |
| Un. of Colorado, Health Sciences  | Un. of North Carolina, Chapel Hill  | Un. of Utah                                |

|                                 |                      |                    |
|---------------------------------|----------------------|--------------------|
| Un. of Utrecht, Netherlands     | Vassar College*      | Whittier College   |
| Un. of Vermont                  | Villanova Un.        | Williams College   |
| Un. of Western Ontario, Canada  | Virginia Tech        | Winona State Un.   |
| Un. of Wisconsin, Madison       | Wabash College       | Xavier Un.         |
| Un. of Wisconsin, Milwaukee     | Washburn Un.*        | Yale Un.*          |
| Un. of Wisconsin, River Falls*  | Washington Col.      | Yale Un.C          |
| Un. of Wisconsin, Stevens Point | Washington State Un. | York Un., Canada   |
| Un. of Wisconsin, White Water   | Western Illinois Un. | Youngstown St. Un. |
| Un. of York*, UK                | Western Wash. Un.*   | Back to top        |
| Union College                   | Wheaton College      |                    |
| Vanderbilt Un.                  | Whitman College      |                    |

## MODERN INTERFEROMETRY - Introduced 2007

|  |                                      |                                      |
|--|--------------------------------------|--------------------------------------|
| Albion College                             | Loyola Un.                           | Un. of Arizona                       |
| Augustana Col.                             | Loyola Marymount Un.                 | Un. of Bonn, Germany                 |
| Azusa Pacific Un.                          | Marshall Un.                         | Un. of Cincinnati                    |
| Bergen County Tech. Schools                | McMaster Un., Canada                 | Un. of Col. Dublin, Ireland          |
| Berry College                              | Metropolitan State College of Denver | Un. of Dundee, UK                    |
| Binghamton Un.                             | Millersville Un.                     | Un. of Kentucky                      |
| Bloomsburg University                      | Nanyang Tech Un.*, Singapore         | Un. of Michigan, Ann Arbor           |
| Bridgewater State Un.                      | National Taiwan Un., Taiwan          | Un. of Michigan, Dearborn            |
| Buffalo State College                      | National Tsing Hua Un., Taiwan       | Un. of Missouri, Kansas City         |
| Cal. Baptist Un.                           | Nazarbayev Un., Kazakhstan           | Un. of North Florida                 |
| Cal. State Un., Fresno                     | Northern Arizona Un.                 | Un. of Oklahoma                      |
| Cal. State Un., San Marcos                 | Philipps Un. Marburg, Germany        | Un. of Poitiers, France              |
| Calvin College                             | Radford Un.                          | Un. of Salzburg, Austria             |
| Camden County College                      | Rochester Inst. of Tech              | Un. of Scranton                      |
| Centro de Invest. en Optica, Mexico        | Rutgers Un.                          | Un. of Siegen, Germany               |
| Dartmouth College                          | Saint John Fisher College            | Un. of the Fraser Valley, Canada     |
| Drake Un.                                  | Saint Olaf College, Sci Cntr         | Un. of Tulsa                         |
| Drew Un.                                   | Santa Clara Un.                      | Un. of Wisconsin, Stevens Point      |
| Florida A&M Un.                            | Slippery Rock. Un.                   | Utsunomiya Un., Japan                |
| Georgia Inst. of Technology                | Seoul National Un.*, S. Korea        | Vinh Un., Vietnam                    |
| Goshen College                             | SUNY Binghamton                      | Vrije Un. Amsterdam, The Netherlands |
| Goucher College                            | Swarthmore College*                  | Back to top                          |
| Kent State Un.                             | Syracuse Un. TU Dortmund, Germany    |                                      |
| Lebanon Valley College Louisiana State Un. | Towson Un.                           |                                      |



## MUON PHYSICS - Introduced 2004

|                             |                                   |   |
|-----------------------------|-----------------------------------|---|
| Albion College              | Drake Un.                         | Hofstra Un.                                   |
| American Un.                | Drury Un.                         | Hong Kong Un.                                 |
| Auburn Un.                  | Dublin Inst. of Tech, Ireland     | Huntington College                            |
| Augustana College, IL       | Duke Un.                          | Indian Institute of Technology,<br>India      |
| Augustana College, SD       | D'Youville Col.                   | James Cook Un., Australia                     |
| Ball State Un.              | East Carolina Un.                 | James Madison Un.                             |
| Bates College               | Eastern Illinois Un.              | Johns Hopkins Un.                             |
| Bellarmino Un.              | Eastern Kentucky Un.              | Keene State College                           |
| Berea College               | Eastern Washington Un.            | KACST, Saudi Arabia                           |
| Binghamton Un.              | Elmhurst College                  | Korea Un., S. Korea                           |
| BITS, Pilani India          | Embry-Riddle Aero Un.             | Lancaster Un.*UK                              |
| Bridgewater State Col, MA   | Fairfield Un.                     | LeMoyne College                               |
| Buffalo State College       | Florida A&M Un.                   | LeTourneau Un.                                |
| Cal. State Un., Bakersfield | Florida State Un.                 | Loughborough Un.      Loyola<br>Marymount Un. |
| Cal. State Un., Fresno      | Georgetown Un.                    | Lycoming Col.                                 |
| Cal. State Un., San Marcos  | Georgia Inst. of Technology       | Marshall Un. Foundation Inc.                  |
| Central Michigan Un.        | Gettysburg College                | McGill Un.*                                   |
| Chulalongkorn Un., Thailand | Gonzaga Un.                       | McMaster Un.                                  |
| Clemson Un.                 | Goucher College                   | Met. State College of Denver                  |
| Coe College                 | Grant MacEwan Un.,CA              | Michigan State Un.                            |
| Colby College               | Grove City Col.                   | Michigan Tech Un.                             |
| College of William & Mary   | Guilford College                  | Millersville Un.                              |
| Colorado College            | Hastings College                  | Minnesota St. Un., Mankato                    |
| Colorado State Un.          | Haverford College                 | Mississippi State Un.                         |
| Dartmouth College           | Hendrix College                   | Monash Un., Australia                         |
| Davidson College            | High Point Un.                    | Moravian College                              |
| Denison Un.                 | Hobart and William Smith Colleges |   |

|  |   |  |
|--|---|--|
| Murdoch Un., W. Australia                    | Science & Tech. Facilities Council,<br>UK | Truman State Un.      Union<br>College |
| NISER, Bhudaneswar, India                    | Seoul National Un., South Korea           | Un. of Alabama, Huntsville             |
| National Chiao Tung Un., Taiwan              | Simon Fraser Un., Canada                  | Un. of Arkansas, Little Rock           |
| National Chung-Cheng Un., Taiwan             | Smith College                             | Un. of Barcelona, Spain                |
| National Kaohsiung Normal Un.,<br>Taiwan     | Sogang Un., South Korea                   | Un. of Bath, UK                        |
| National Taiwan Un., Taiwan                  | St. Cloud State Un.                       | Un. of Bielefeld, Germany              |
| National Technical Un. of Athens*,<br>Greece | St. Louis Un.                             | Un. of CA, Davis                       |
| Nazarbayev Un., Kazakhstan                   | St. Mary's Un., Cal.                      | Un. of CA, Santa Barbara               |
| New Jersey Inst. of Tech.                    | St. Mary's Un., Maryland                  | Un. of CA, Santa Cruz                  |
| North Carolina State Un.                     | St. Mary's Un., Texas                     | Un. of Cantabria, Spain                |
| North Central College                        | St. Olaf College                          | Un. of Central Florida                 |
| North Dakota State Un.                       | St. John Fisher College                   | Un. of Cincinnati                      |
| Northeastern Un.                             | State Un. College, Brockport              | Un. College London*, UK                |
| Northeastern Ill. Un.                        | State Un. College, Oswego                 | Un. Complutense de Madrid, Spain       |
| Northern Illinois Un.                        | Suffolk Un.                               | Un. of Connecticut*                    |
| Northwestern Un.                             | Susquehanna Un.                           | Un. of Cyprus, Cyprus                  |
| Ohio Wesleyan Un.                            | SUNY at Geneseo                           | Un. of Edinburgh,* UK                  |
| Philipps Un. Marburg, Germany                | Swarthmore College*                       | Un. of Georgia                         |
| Polytechnic Un.                              | Tabuk Un., Saudi Arabia                   | Un. of Granada, Spain                  |
| Pomona College                               | Tel Aviv Un., Israel                      | Un. of Greifswald, Germany             |
| Pusan Un.*, South Korea                      | Temple Un.                                | Un. of Hawaii at Hilo                  |
| Queen Mary & Westfield College,<br>UK        | Texas A & M Un.                           | Un. of Kansas                          |
| Radford Un.                                  | Texas Tech Un.                            | Un. of Kassel, Germany                 |
| Rhodes Un., S. Africa                        | The Un. of Sydney, Australia              | Un. of Kwazulu-Natal, S. Africa        |
| Rutgers Un.                                  | Thompson Rivers Un.                       | Un. of La Vern                         |
| San Francisco State Un.                      | Trinity College, CT                       | Un. of Louisiana at Lafayette          |
|  | Troy Un.                                  | Un. of London, Queen Mary, UK          |
|  |   | Un. of los Andes, Colombia             |

Un. of Maryland, Baltimore  
County

Un. Nacional Autonoma de  
Mexico, Mexico

Un. of Nebraska, Kearney

Un. of Nebraska, Omaha

Un. of New Brunswick, Fredericton

Un of New Hampshire

Un. of New So. Wales, Australia

Un. of North Carolina

Un. of North Texas

Un. of Northern Colorado

Un. of Nottingham\*, UK

Un. of Ottawa, Canada

Un. of Portland

Un. of Redlands

Un. of Rhode Island

Un. of Richmond

Un. of Simon Bolivar, Venezuela

Un. of South Alabama

Un. of South Carolina\*

Un. of Surrey,UK

Un. of Sussex,UK

Un. of Texas, Dallas

Un. of Texas-San Antonio

Un. of Tenn, Chattanooga

Un. of Tenn, Knoxville

Un. of Tulsa

Un. of the Pacific

Un. of the West Indies\*, Trinidad  
& Tobago

Un. of Toronto, Canada

Un. of Wollongong, Australia

US Air Force Academy

Utica College

Virginia Military Institute

Virginia Tech

Wayne State Un.

Western Kentucky Un.

Western Washington Un.

Wichita State Un.

William Jewell College

Winona State Un.

Xavier Un.

York Un., Canada

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## NOISE FUNDAMENTALS - Introduced 2010

|   |  |                                  |
|---|--|----------------------------------|
| Appalachian State Un.   | Moravian College                                 | Un. of Innsbruck, Germany        |
| Binghamton Un.  | Nazarbayev Un.* , Kazakhstan                     | Un. of Iowa                      |
| Biola Un.   | Rensselaer Polytechnic<br>Inst.                  | Un. of Kansas                    |
| BITS, Pilani India  | Reed College                                     | Un. of Kentucky                  |
| Boston Col.   | Rochester Inst. of Technology                    | Un. of Konstanz, Germany         |
| Cal. State Un., East Bay  | Saint Olaf Col. Sci. Cntr.                       | Un. of Laval, Canada             |
| Calvin College  | San Jose State Un.                               | Un. of Lethbridge, Canada        |
| Case Western Reserve Un.  | Simon Fraser Un.                                 | Un. of Michigan                  |
| Central Michigan Un.  | Slippery Rock Un. of PA                          | Un. of Pittsburgh                |
| City Col. of the CUNY   | Smith College*                                   | Un. of Stuttgart, Germany        |
| Claremont College   | Sogang Un., Seoul Korea                          | Un. of Texas-Austin              |
| Dalhousie Un.   | Swarthmore College                               | Un. of Texas-Brownsville         |
| Fairfield Un.   | TU Wien, Austria                                 | Un. of Texas-San Antonio         |
| George Mason Un.  | Un. of Alberta                                   | Un. of the Fraser Valley         |
| IISER-TVM, India  | Un. of Bielefeld, Germany                        | Un. of York*, UK                 |
| IIT, Kanpur, India  | Un. of Bonn*, Germany                            | Vassar College                   |
| Indiana Un.   | Un. of Cal. Merced      Un. of Cal.<br>Riverside | Washington Un., St. Louis        |
| IUCAA, India  | Un. of Georgia                                   | Wayne State Un.                  |
| Justus-Liebig-Un. of Giessen,<br>GermanyKatholieke Un. Leuven,<br>Belgium | Un. of Guelph, Canada                            | Whitworth Un.<br><br>Back to top |

## OPTICAL PUMPING - Introduced 2002

|                                     |                                  |  |
|-------------------------------------|----------------------------------|--|
| Bates College                       | IIT, Kanpur, India               | TU Dortmund, Germany                             |
| Boston University                   | IIT, New Delhi, India            | Tennessee Tech Un.                               |
| Cal. Institute of Technology        | IFSHE                            | Temple Un.                                       |
| Cal Poly State Un., San Luis Obispo | Jagiellonian Un., Poland         | Texas A&M, Commercy                              |
| Cal. State Un., Fresno              | James Cook Un., Australia        | Texas Tech Un.                                   |
| Cal. State Un., Stanislaus          | James Madison Un.                | Trinity College                                  |
| Calvin College                      | Kenyon College                   | U. S. Naval Academy                              |
| Carleton Un., Canada                | Lehman College                   | Un. Konstanz, Germany                            |
| Carnegie Mellon Un.                 | Luther College Manhattan College | Un. of Alberta, Canada                           |
| Case Western Reserve                | McGill Un., Canada               | Un. of Arkansas                                  |
| Centre College                      | McMaster Un., Canada             | Un. of Bath, UK                                  |
| College of New Jersey               | Michigan State Un.               | Un. of British Columbia, Canada                  |
| College of William & Mary           | National Taiwan Un., Taiwan      | Un. of Calgary                                   |
| Dartmouth College                   | Nazarbayev Un., Kazakhstan       | Un. of Cal., Davis                               |
| Davidson College                    | New York Un.                     | Un. of Cal., Irvine      Un. of Cal., Santa Cruz |
| Drake Un.                           | Northwestern Un.                 | Un. of Evansville                                |
| Drew Un.                            | Rensselaer Poly Tech             | Un. of Goettingen, Germany                       |
| Eastern Kentucky Un.                | Rochester Inst. of Technology    | Un. of Illinois, Urbana-Champaign                |
| Edinboro Un. of PA                  | Saint Olaf College               | Un. of Kansas                                    |
| ESPCI*, France                      | San Francisco State Un.          | Un. of Kentucky                                  |
| George Mason Un.                    | Santa Clara Un.                  | Un. Konstanz, Germany                            |
| Grant MacEwan Un.,CA                | Simon Fraser Un., Canada         | Un. of Lethbridge, Canada                        |
| Hartwick College                    | Smith College                    | Un. of los Andes, Colombia                       |
| Haverford College                   | King Fahd Un.,* Saudi Arabia     | Un. of Maryland, Baltimore                       |
| Hillsdale College                   | SUNY, Binghamton                 | Un. of Melbourne, Australia                      |
| Indiana Un.                         | SUNY, Buffalo                    | Un. of Minnesota, Minneapolis                    |
| IISER-TVM, India                    | Swarthmore College               |  |

Un. of Nacional Autonoma de Mexico

Un. of Nebraska, Kearney

Un. of New Brunswick, Fredricton, Canada

Un. of Nottingham, UK

Un of Queensland, Austailia

Un. of Redlands

Un. of San Diego

Un. of Stuttgart, Germany

Un of Surrey\*, UK

Un. of Sydney, Australia

Un. of Texas, Austin

Un. of Toronto, Canada

Un. of Tulsa

Un. of Virginia

Un. of Warwick\*, UK

Un. of Western Australia, Australia

Un. of Winnipeg, Canada

Un. of Wisconsin, Milwaukee

Un. of Wollongong, Australia

Virginia Tech

Wabash College

Western Washington Un.

Winona State Un.

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## POWER AUDIO/AMPLIFIER – Introduced 2004

|                                   |                                   |  |
|-----------------------------------|-----------------------------------|--|
| Acadia Un.                        | Eastern Washington Un.            | National Chung Cheng Un., Taiwan             |
| Allegheny College                 | Ecole Polytechnique               | Nat'l Inst. of Subatomic Physics*, Amsterdam |
| Ascent Healthcare Solutions       | Elmhurst College                  | National Research Council, Canada            |
| Auburn Un.                        | Emporia State Un.                 | National Tsing Hua Un., Taiwan               |
| Augustana College, South Dakota   | ETSI De Bilbao, Spain             | Nazarbayev Un., Kazakhstan                   |
| Binghamton Un.                    | Florida State Un.                 | Norfolk State Un.                            |
| BITS, Pilani India                | Georgetown Un.                    | North Carolina State Un.                     |
| Brazilian Nat'l Observatory       | Grinnell College                  | North Georgia College/St. Un.                |
| Bridgewater State College, MA     | Hartnell College                  | Northrop Grumman*                            |
| Cal. Institute of Tech.*          | Hartwick College                  | Northwestern Un.                             |
| Cal State Un., East Bay*          | Hendrix College                   | Otterbein Un.                                |
| Cal State Un., Fresno             | Illinois State                    | Princeton Un.                                |
| Cal State Un., Fullerton*         | IUCAA*, India                     | Radford Un.                                  |
| Cal State Un.* , Long Beach       | Kalamazoo College                 | Rensselaer Polytechnic                       |
| Calvin College                    | Lafayette College                 | Rhodes Un., S. Africa                        |
| Camden County College             | Lake Forest College*              | Rochester Inst. of Tech*                     |
| Central Missouri State*           | Lewis Un. Louisiana State Un.     | Royal Holloway London                        |
| Chiang Mai Un.* , Thailand        | Louisiana Tech Un.                | St. Mary's Un., Canada                       |
| Chonbuk National Un., Korea       | Loyola Un. of Chicago             | St. Mary's Un., Maryland                     |
| Chulalongkorn Un., Thailand       | Lycoming College                  | San Francisco State College                  |
| College of Charleston             | Manhattan College                 | Santa Clara Un.                              |
| College of the Holy Cross*        | Massachusetts Inst. of Tech       | Seattle Pacific Un.                          |
| College of William & Mary*        | Metropolitan State College        | Seoul Natl Un.* , Korea                      |
| Un. of Colorado, Colorado Springs | Mississippi State Un.             | Slippery Rock Un.                            |
| Dartmouth College                 | NISER, Bhubaneswar, India         | Smith College*                               |
| DePaul Un.                        | Nanyang Tech Un.* , Singapore     | Socrates Health Solutions                    |
| Drew Un.                          | National Chiao Tung Un.* , Taiwan | Sogang Un.* , Korea                          |

|                                       |                                   |                                 |
|---------------------------------------|-----------------------------------|---------------------------------|
| Southern Conn. State Un.              | Un. of Kinshasa                   | Un. of Texas, Dallas            |
| SUNY, Binghamton                      | Un. of Lethbridge, Canada         | Un. of Trinidad & Tobago*, W.I. |
| SUNY, Buffalo                         | Un. of Michigan                   | Un. of West Indies, Barbados    |
| SUNY Plattsburgh                      | Un. of Missouri*, Columbia        | Un. of Winnipeg, Canada         |
| TU Dortmund, Germany                  | Un. of Missouri, Kansas City      | Un. of Wisconsin, Eau Claire    |
| Temple Un.      Texas Lutheran<br>Un. | Un. of Newbraska, Omaha           | Virginia Polytech*              |
| Towson Un.                            | Un. of New Hampshire              | Warren Wilson College           |
| Un. College Cork, Ireland             | Un. of North Alabama              | Washington College              |
| Un. of Alberta*, Canada               | Un. of North Florida              | Western Kentucky Un.            |
| Un. of Arizona                        | Un. of Redlands                   | Westminster College*            |
| Un. of Bonn, Germany                  | Un. of Regensburg*, Germany       | Whittier College                |
| Un. of BC-Okanagan, Canada            | Un. of Rochester                  | Whitworth Un.                   |
| Un. of Cal., Irvine                   | Un. of Salzburg, Austria          | Xavier Un.                      |
| Un. of Dayton                         | Un. of Scranton                   | Youngstown State Un.            |
| Un. of Dundee, Scotland               | Un. of South Carolina             | Back to top                     |
| Un. of Evansville                     | Un. of Southern Cal.              |                                 |
| Un. of Hawaii, Manoa                  | Un. of the Sciences, Philadelphia |                                 |



**PULSE COUNTER/INTERVAL TIMER - Introduced 2012 1 TWS1-A**

|                               |                                       |                                 |
|-------------------------------|---------------------------------------|---------------------------------|
| Appalachian State Un.1        | Kansas State Un.2*                    | Un. of Connecticut 2            |
| Arizona State Un.2            | LeTourneau Un.Loyola Un.1,<br>Chicago | Un. of Konstanz, Germany2       |
| Belmont Un.                   | Nat. Tsing-Hua Un.1, Taiwan           | Un. of Kentucky1*               |
| California Institute of Tech. | Nazarbayev Un.1*, Kazakhstan          | Un of La Verne1, 2              |
| Case Western Reserve          | Ohio Wesleyan Un.                     | Un. of Maine1                   |
| Claremont College             | San Diego State Un.*1                 | Un. New South Wales*, Australia |
| College of New Jersey1        | San Francisco State Un.1              | Un. of North Alabama1*          |
| Colorado College              | Seoul Nat'l Un.1, 2, South Korea      | Un. of North Texas2             |
| Drew Un.                      | Shippensburg Un.1                     | Un. of Trento, Italy2           |
| Elmhurst College              | SUNY, Binghamton1                     | Un. of Virginia                 |
| Gettysburg College            | Syracuse Un.2 Texas Tech Un.1, 2      | Un. of Waikato, New Zealand     |
| Gordon College2               | TU Dresden1, Germany                  | Un. of Western Australia2       |
| High Point Un*                |                                       | Whitworth Un.1*                 |

## **PULSED NMR - Introduced 1994 MT**

|   |   |                                    |
|---|---|------------------------------------|
| Amherst College                           | Drexel Un.  | Magnetic Imaging Technology        |
| Arizona State Un.                         | Duke Un.  | Massachusetts Institute of Tech. C |
| Biosense Webster                          | Eastern Illinois Un.  | Miami Un., OhioC; MT               |
| Boston Un.MT                              | ENS, Cachan, FranceMT   | Minnesota State Un.,<br>MoorheadMT |
| Brandeis Un.                              | EWHA Woman's Un., Korea   | National Taiwan Un., Taiwan        |
| Bridgewawter State Un.                    | Florida State Un. C   | Northwestern Un.*MT                |
| Brooklyn College, CUNYMT                  | Freidrich-Schiller-Un., Jena,<br>Germany                          | Oakland Un.                        |
| Bucknell Un.MT                            | George Mason Un.  | Oberlin College                    |
| Cal. Institute of TechnologyMT            | Georgia Institute of Tech.  | Pacific Un.MT                      |
| Cal. Poly State Un., San Luis<br>ObispoMT | Grinnell College  | Princeton Un.                      |
| Cal. State Poly, Pomona                   | Hamilton CollegeMT  | Reed CollegeMT                     |
| Cal. State Un., FresnoMT                  | Harvard Un.MT   | Royal Holloway Un., UK             |
| Cal. State Un., Long Beach                | Harvard Un. C   | RWTH Aachen, Germany               |
| Cambridge Un.*, UKMT                      | Harvey Mudd CollegeMT   | Saint Cloud State Un.MT            |
| Carnegie Mellon Un.MT                     | Heriot-Watt Un., UK   | Saint Louis Un.MT                  |
| Carnegie Mellon Un.E                      | Hobart & William SmithMT  | Saint Olaf CollegeMT               |
| Case Western Reserve Un.                  | Hong Kong Un. of Sci& Tech, China                                 | Southern Methodist Un.             |
| Central Michigan Un.MT                    | Idaho State Un.   | Stanford Un.MT                     |
| Chalmers Un., Sweden                      | Imperial College, UK Johann-<br>Wolfgang-Goethe-Un.,<br>GermanyMT | SUNY, BinghamtonMT                 |
| Chinese Un. of Hong Kong, China           |   | SUNY, Buffalo                      |
| Chonbuk National Un., KoreaMT             | Johns Hopkins Un.MT   | SUNY, Fredonia                     |
| College of New Jersey                     | Kenyon CollegeMT  | SUNY, Oswego                       |
| College of William & Mary                 | Louisiana State Un.   | SUNY, Stony Brook                  |
| Colorado State Un.MT                      | Loyola CollegeMT  | Swarthmore CollegeMT               |
| De Paul Un.                               | Lund Un., Sweden C  | Tel Aviv Un., Israel               |
| Drake Un.MT                               | Macalester College  | Trinity College, CT                |
| Drew Un.                                  |   | Trinity Un., Texas                 |

|   |   |                               |
|---|---|-------------------------------|
| Un. Bern, SwitzerlandMT                         | Un. of Illinois, Urbana-Champaign       | Un. of TennesseeMT, Knoxville |
| Universitaet HannoverC, Germany                 | Un. of IowaMT                           | Un. of Texas, Austin*MT       |
| Universitaet JenaC, Germany                     | Un. of Kansas, Lawrence C; MT           | Un. of Toronto, Canada        |
| Un. of AkronMT                                  | Un. of Maryland, Baltimore              | Un. of Washington, Seattle    |
| Un. of AlbertaMT, Canada                        | Un. of Melbourne, AustraliaMT           | Un. of Wisconsin, MadisonMT   |
| Un. of Bristol*, UK                             | Un. of MichiganMT, Ann Arbor            | Un. of Wisconsin, Madison E   |
| Un. of British Columbia, Canada                 | Un. of Michigan, Ann Arbor E            | Un. of Wisconsin, MilwaukeeMT |
| Un. of CA, Berkeley C                           | Un. of Minnesota, Duluth                | Un. of York, UKMT             |
| Un. of CA, Davis                                | Un. of Minnesota, Minneapolis           | Vanderbilt Un.MT              |
| Un. of CA, Fresno                               | Un. of Missouri, Columbia               | Villanova Un.MT               |
| Un. of CA, Irvine                               | Un. of North Carolina, Chapel HillC; MT | Virginia TechMT               |
| Un. of CA, Los Angeles Un. of CA, Los Angeles C | Un. of North FloridaMT                  | Wabash CollegeMT              |
| Un. of CA, San Diego C                          | Un. of Notre Dame                       | Wake Forest Un.               |
| Un. of CA, Santa Barbara                        | Un. of Ottawa, Canada                   | Walla Walla College           |
| Un. of Chicago                                  | Un. of Patras, Greece                   | Washington Un., St. Louis C   |
| Un. of CincinnatiMT                             | Un. of PittsburghMT                     | Washington State Un.MT        |
| Un. of Colorado, Boulfrt                        | Un. of San Diego                        | Western Washington Un.MT      |
| Un. of Dayton                                   | Un. of South Alabama                    | Winona State Un.MT            |
| Un. of IllinoisMT, Chicago                      | Un. of Sydney, Australia                | Yale Un*.MT; C                |
|   |   | Back to top                   |

**PULSED/CW NMR - Introduced 2008 1Also owns Pulsed NMR above; MTMagnetic Torque**

|  |                                     |                                |
|--|-------------------------------------|--------------------------------|
| Appalachian State Un.                      | King Fahd University*, Saudi Arabia | TU Berlin, Germany             |
| Augustana College, SD                      | LMU Muenchen, Germany               | TU Dortmund, GermanyMT         |
| Ball State                                 | LeMoyne College                     | TU Kaiserslautern, Germany     |
| Berry College                              | Lockheed Martin Corp.               | TU Vienna, Austria             |
| Boston CollegeMT                           | Loyola Marymount Un.                | Temple Un.MT                   |
| Cal. State Un., FullertonMT                | McGill Un.1, Canada                 | Un. of Bonn, Germany           |
| Cal. State Un.,San MarcosMT                | McMaster Un., Canada                | Un. of Bristol, UK             |
| Cal. State Un., Stanislaus                 | Metropolitan State Col. of Denver   | Un. of Cal., LAMT              |
| Cal. Tech1MT                               | MT                                  | Un. of Cal., Merced            |
| Dartmouth CollegeMT                        | North Carolina State Un.            | Un. of Cal., Riverside         |
| Duquesne Un.                               | North Central Col.MT                | Un. of Cambridge1, UK          |
| East Carolina Un.                          | Northeastern Un.                    | Un. of College Dublin, Ireland |
| Eberhard-Karls-Un. Tuebingen, Germany      | Northwestern Un.1; MT               | Un. of Hannover, Germany       |
| Ernst Moritz Arndt-Un.-Greifswald, Germany | Pierre & Marie Curie Un., France    | Un. of Hawaii at Manoa         |
| Florida International Un.                  | Philipps Un. Marburg, Germany       | Un. of Kassel, Germany         |
| Florida A&M Un.MT                          | Princeton Un.                       | Un. of Kentucky                |
| Freie Un. Berlin, GermanyMT                | Purdue Un.-Fort Wayne               | Un. of Koeln, Germany          |
| Georgetown Un.                             | Royal Holloway Un., UK              | Un. of Konstanz, Germany       |
| Grove City College                         | RWTH Aachen*, Germany               | Un. of Leeds, UK               |
| Hartwick College                           | Ruhr-Un. Bochum, Germany            | Un. of Manitoba, Canada        |
| Harvard Sci. Cntr.                         | Rutgers Un.                         | Un. of MinnesotaMT             |
| Hebrew Un. of Jerusalem, Isreal            | Saint Joseph's Un.                  | Un. of Nevada Las Vegas        |
| IIT, Kharagpur, India                      | San Diego State Un.*                | Un. of New So. WalesMT         |
| IIT-Madras, India                          | Santa Clara Un. C                   | Un. of Nottingham, UKMT        |
| Kansas State Un.                           | Seattle Un.1; MT                    | Uni. of Osnabrueck, Germany    |
| Khon Kaen U, Thailand                      | Smith College*MT                    | Un. of Pittsburgh MT           |
|  | SUNY Stonybrook C                   | Un. of Porto, Portugal         |
|  |                                     | Un. of Regensburg, Germany     |

Un. of Rhode Island

Un. of Rostock, Germany

Un. of Salzburg, Austria

Un. of Scranton

Un. of Sherbrooke, Canada

Un. of Southern CaliforniaMT

Un. of StuttgartMT, Germany

Un. of Sussex, UK

Un. of VermontMT

Un. of Victoria, Canada

Un. of Virginia

Utrecht University, The  
NetherlandsMT

Virginia Military Institute

West Virginia Wesleyan Un.

Whitman College

Worcester Polytechnic Inst.

Yale Un.1; MT

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## QUANTUM ANALOGS - Introduced 2008

|   |                                    |                                 |
|---|------------------------------------|---------------------------------|
| Binghamton Un.                              | Murdoch Un., W. Australia          | Un. of Calgary, Canada          |
| Cal. State Un., Fullerton                   | National Chiao Tung Un.,<br>Taiwan | Un. of Cal. Riverside           |
| Calvin College                              | Nazarbayev Un., Kazakhstan         | Un. of Cnt. Lancashire*, UK     |
| Central Michigan Un.                        | New Jersey Inst. of Tech           | Un. of Cincinnati*              |
| Coe College                                 | North Georgia Col. & State Un.     | Un. of Greifswald, Germany      |
| Col. of Charleston                          | Philipps Un. Marburg, Germany      | Un. of Hamburg, Germany         |
| Col. of William & Mary                      | Polytechnic Un.                    | Un. of Illinois, Chicago        |
| Dalhousie Un.                               | RWTH Aachen*, Germany              | Un. of Kansas                   |
| Eastern Kentucky Un.                        | Santa Clara Un.                    | Un. of Kassel*, Germany         |
| Eberhard-Karls Un. Tuebingen,<br>Germany    | Seoul Natl Un., S. Korea           | Un. of Konstanz*, Germany       |
| Georg-Simon-Ohm Hochschule,<br>Nuernberg    | Shippensburg Un.                   | Un. of Kwazulu-Natal, S. Africa |
| Georgetown Un.                              | Slippery Rock Un. of PA            | Un. of Leiden, Netherland       |
| Gordon College                              | Sogang Un.                         | Un. of Muenster, Germany        |
| Heinrich Heine Un. Duesseldorf,<br>Germany  | Stanford Un.                       | Un. of North Florida            |
| Hillsdale College                           | SUNY Binghamton                    | Un. of Nottingham, UK           |
| Illinois State Un.                          | Tata Inst.*, India                 | Un. of Pennsylvania             |
| IIT Delhi*, India                           | Texas Tech Un.                     | Un. of Sheffield, UK            |
| IIT Kanpur, India                           | TU Berlin, Germany                 | Un. of So. Cal.                 |
| Iwate Un.                                   | TU Braunschweig, Germany           | Un. of Stuttgart*, Germany      |
| Karlsruhe Inst. of Tech, Germany            | TU Chemnitz, Germany               | Un. of Vermont                  |
| Lewis & Clark College                       | TU Dortmund, Germany               | Un. of Wisconsin, Platteville   |
| Ludwig-Maximilians Un.<br>Muenchen, Germany | Thompson Rivers Un.                | Un. of Wuerzburg, Germany       |
| Macalester College                          | Towson Un.                         | Washington College              |
| Moravian College                            | Un. of Alabama, Huntsville         | Western Washington Un.          |
|   | Un. of Bonn, Germany               | Yale Un.                        |
|   | Un. of Bremen, Germany             | Back to top                     |

**SIGNAL PROCESSOR/LOCK-IN AMP. - Introduced 2002 PAAPower Audio Amplifier**

|                                     |   |   |
|-------------------------------------|---|---|
| Agnes Scott College                 | Hartwick CollegePAA                                     | Philipps Un. Marburg,Germany            |
| Amherst College                     | IIT, Kanpur, India                                      | Pohang Un., Korea                       |
| Azusa Pacific Un.                   | IIT, Madras, India                                      | Polytechnic Un.PAA                      |
| Biola Un.                           | IIT, New Delhi, India                                   | Radboud Un.*,The Netherlands            |
| BITS, Pilani India                  | Istanbul Tech. Un., Turkey                              | Radford Un.PAA                          |
| Bloomsburg Un. of Penn.             | Johns Hopkins Un.                                       | Rensselaer PolytechnicPAA               |
| Boston Un.                          | Lafayette CollegePAA                                    | Rhodes Un., S. AfricaPAA                |
| Bridgewater State CollegePAA        | Lewis Un. PAA   | Royal Holloway LondonPAA                |
| Cal. State Un., East Bay PAA        | Loughborough Un.*, UK                                   | St. Mary's Un., MarylandPAA             |
| Cal. State Un., FresnoPAA           | Louisiana State Un.PAA                                  | St. Mary's Un., Texas                   |
| Cal. State Un., Fullerton*PAA       | Lycoming College*PAA                                    | San Francisco State Un*                 |
| Cal. State Un., Sacramento          | Manhattan CollegePAA Metro.<br>State College, DenverPAA | San Jose State Un.                      |
| Carleton Un.*PAA                    | Miami Un., Ohio   | Santa Clara Un.PAA                      |
| Central Missouri State Un.          | Millersville Un.  | Seoul Natl Un., Korea*PAA               |
| Chiang Mai Un.PAA, Thailand         | NISER, BhubaneswarPAA, India                            | Shanghai Jiao Tong Un., Shanghai        |
| Chonbuk National Un.* PAA,<br>Korea | Nanyang Tech Un.PAA*, Singapore                         | Skidmore Col.PAA                        |
| Clemson Un.*                        | National Chiao Tung Un.PAA,<br>Taiwan                   | Slippery Rock Un.*PAA                   |
| Col. of the Holy Cross* PAA         | National Chung Cheng Un.PAA,<br>Taiwan                  | Smith College*PAA                       |
| Dartmouth College*PAA               | National Chung-Kung Un., Taiwan                         | Sogang Un.PAA, Korea                    |
| Drew Un.PAA                         | National Tsing Hua Un.*PAA,<br>Taiwan                   | Southern Methodist Un.                  |
| Eastern Illinois Un.                | Nazarbayev Un., KazakhstanPAA                           | SUNY, Binghamton*PAA                    |
| Eastern Washington Un.PAA           | North Central College                                   | SUNY, BuffaloPAA                        |
| Elmhurst College                    | Okanagan College, Canada                                | SUNY, PlatsburghPAA                     |
| Emporia State Un.PAA                | Otterbein Un.PAA  | TU DortmundPAA, Germany<br>Towson UnPAA |
| Fairfield Un.                       | Penn State Un.PAA, Erie                                 | US Naval AcademyPAA                     |
| Florida State Un.PAA                |   | Un. College Cork*PAA, Ireland           |
| Georgetown Un.PAA                   |   | Un. of Alberta*PAA, Canada              |

|                                |                                       |                       |
|--------------------------------|---------------------------------------|-----------------------|
| Un. of Bristol, UK             | Un. of North CarolinaPAA, Chapel Hill | Virginia Tech*PAA     |
| Un. of British Columbia Canada | Un. of Osnabrueck, Germany            | Wabash College        |
| Un. of Calgary*, Canada        | Un. of RedlandsPAA                    | Washington CollegePAA |
| Un. of Central Arkansas        | Un. of Regensburg*PAA, Germany        | Western Illinois Un.  |
| Un. of Central Oklahoma        | Un. of SalzburgPAA, Austria           | Western Washington U  |
| Un. of DaytonPAA               | Un. of ScrantonPAA                    | Whittier CollegePAA   |
| Un. of EvansvillePAA           | Un. of South CarolinaPAA              | Whitworth Un.         |
| Un. of Kinshasa PAA            | Un. of Southern Cal.PAA               | Xavier Un.PAA         |
| Un. of LethbridgePAA, Canada   | Un. of Vermont                        | Yale Un.              |
| Un. of Missouri*, Columbia     | Un. of Wisconsin, Eau ClairPAA        | York Un., Canada      |
| Un. of NebraskaPAA, Omaha      | Un. of Wisconsin, Milwaukee           | Back to top           |
| Un. of New Mexico              | Un. of Wollongong, Australia          |                       |
| Un. of North AlabamaPAA        |                                       |                       |



## SONOLUMINESCENCE - Introduced 2000

|                                      |  |   |
|--------------------------------------|--|---|
| Bethel Un.                           | Metro. State College of Denver           | Smith College                               |
| Cal. State Un., Fresno               | Michigan State Un.                       | SUNY, Potsdam                               |
| Carleton Un., Canada                 | NASA Glenn Research Center*              | Tech. Un. Berlin, Germany                   |
| Carnegie Mellon Un.                  | National Chung Cheng Un., Taiwan         | Tennessee Tech. Un.                         |
| Central Missouri St. Un.             | National Kaohsiung<br>Normal Un., Taiwan | United High School                          |
| Centro Fed de Ed. Tech, Brazil       | National Taiwan Un., Taiwan              | United States Naval Research<br>Labs*       |
| Chonbuk National Un. Korea           | Nazarbayev Un., Kazakhstan               | Un. of Alberta, Canada                      |
| ENS, Cachan, France                  | Northeastern Illinois Un.                | Un. of Cal., Merced                         |
| ESPCI, Ville de Paris, France        | Northrop Grumman Space Ctr.              | Un. of Cal., Santa Barbara                  |
| Fort Lewis College                   | Northwestern State Un.                   | Un. of Cincinnati                           |
| Grove City College                   | Northwestern Un.                         | Un of<br>Dundee, Scotland                   |
| Handong Global Un., Korea            | Onset for Nat. Chio Tung Un.,<br>Taiwan  | Un. of Erlangen-Nuremberg,<br>Germany       |
| Harding Un.                          | Penn State Un., Erie                     | Un. of Louisiana, Lafayette                 |
| Hobart & William Smith               | Penn State Un., Un. Park                 | Un. of Louisville                           |
| Hope College                         | Pohang Un., Korea                        | Un. of Maryland, Baltimore                  |
| Imperial College, UK                 | Radford Un.                              | Un. of Miami                                |
| India Inst of Tech, New Delhi, India | Reed College                             | Un. of Miami E                              |
| Iowa State Un.                       | Rensselaer Polytechnic Inst.             | Un. of Missouri, Columbia*                  |
| Istanbul Technical Un., Turkey       | Roosevelt Un.                            | Un. of Nebraska, Kearney                    |
| James Cook Un., Australia            | Royal Institute of Tech., Sweden         | Un. of Nevada, Reno                         |
| Lehigh Un.                           | Saint Olaf College                       | Un. of New Brunswick, Fredricton,<br>Canada |
| LEGI, France                         | San Francisco State Un.                  | Un. of New Brunswick, Saint John,<br>Canada |
| Lexmark US Inc.                      | Seattle Un.*                             | Un. of New Hampshire                        |
| Linfield College                     | Shanghai Jiao Tong Un., China            | Un. of North Carolina, Charlotte            |
| Loughborough Un., UK                 | Simon Fraser Un., Canada                 | Un. of Portland                             |
| Loyola Un., New Orleans              | Slippery Rock Un.                        |   |
| Lutron Electronics                   |  |   |

Un of Puerto Rico

Un. of Rome, Italy

Un. of Salzburg, Austria

Un. of Saint Thomas

Un. of Texas, Austin

Un. of Texas, Permian Basin

Un. of Toronto, Canada

Un. of Vermont

Un. of Warwick, UK

Un. of Wisconsin, Milwaukee

Un. of Wisconsin, Whitewater

Utrecht University, The  
Netherlands

Washington Un.

Wesleyan Un.

Yale Un.

York Un., Canada

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## TORSIONAL OSCILLATOR - Introduced 2008

|   |   |   |
|---|---|---|
| Austin Col.                               | Lewis & Clark College                             | Un. of Arkansas, Fayetteville                               |
| Binghamton Un.*                           | Lafayette College      Loyola Un.                 | Un. of Cincinnati*  |
| Boston College*                           | Lycoming College                                  | Un. of Connecticut*   |
| Cal. State Un., Fullerton*                | McMaster Un., Canada                              | Un. of Evansville   |
| Cal. State Un., San Marcos                | Merrimack College                                 | Un. of Illinois at Chicago*                                 |
| Cal. Tech                                 | Nazarbayev Un., Kazakhstan                        | Un. of Indonesia  |
| Cleveland State Un.                       | North Georgia College/St. Un.                     | Un. of Kansas   |
| Coe College                               | Ohio State Un.                                    | Un. of Kentucky   |
| College of Wooster                        | Penn State Un., Erie                              | Un. of Konstanz, Germany                                    |
| Dalhousie Un.                             | Philipps Un. Marburg, Germany                     | Un. of Michigan   |
| Dartmouth College*                        | Purdue Un.-Calumet                                | Un. of Nebraska, Lincoln                                    |
| Drew Un.                                  | St. Francis Xavier Un.                            | Un. of North Florida  |
| East Stroudsburg Un.                      | Seattle Un.*                                      | Un. of Nottingham*, UK                                      |
| Eberhard-Karls-Un. Tuebingen,<br>Germany  | Seoul National Un., S.<br>KoreaSlippery Rock Un.* | Un. of Southern Maine<br>Un. of Prince Edward Is.* , Canada |
| Florida State Un.                         | Smith College                                     | Un. of Osnabrueck, Germany                                  |
| Gonzaga Un.                               | SUNY, Binghamton                                  | Un. of Southern Maine                                       |
| Gordon Col.*                              | SUNY, Oneonta                                     | Un. of Tennessee, Chattanooga                               |
| Georg-Simon-Ohm Hochschule*,<br>Nuernberg | SUNY, Stony Brook<br>Swarthmore College*          | Un. of Texas, Pan American<br>Un. of Western Australia      |
| Haverford College*                        | TU Darmstadt*, Germany                            | Washington Col.   |
| High Point Un.*                           | Tenn Tech Un.    Towson Un.                       | Whitworth Un.*  |
| IIT Delhi*, India                         | Un. of Alberta*, Canada                           | Back to top   |
| Kenyon College                            |   |   |

**TWO-SLIT INTERFERENCE, One Photon at a Time - Introduced 2004 CrCricket Audible Pulses; 2 PCIT1-A Counter**

|                                   |                                |   |
|-----------------------------------|--------------------------------|---|
| Abilene Christian Cr              | Duke Un.                       | Lancaster University Cr*,UK             |
| Albion College                    | Earlham College                | Le Moyne College Cr                     |
| American Un.                      | East Carolina Un.2             | Lebanon Valley CollegeCr                |
| ANP, BrazilCr                     | Eastern Illinois Un.           | Lehman College Cr                       |
| Appalachian State Un.             | Eastern Washington Un. Cr      | Lewis & Clark CollegeCr; 2              |
| Augustana College, SDCr           | Eckerd CollegeCr               | Louisiana State Un.                     |
| Azusa Pacific Un.Cr               | Edinburgh Un., UK*             | Loyola Un.                              |
| Berry College Cr                  | ENSEACr, France                | Loyola Marymount Un.*Cr                 |
| Bilkent Un. Cr, Turkey            | Experimenta Heilbronn,Germany* | Luther CollegeCr                        |
| Boston Un. Cr                     | Francis Marion Un.Cr           | Marshall Un. Cr                         |
| Bridgewater State CollegeCr       | Florida A&M Un.                | Miami-Dade College Michigan State Un.Cr |
| Cal. State Un., BakersfieldCr     | Florida Int'l Un. Cr           | Michigan Tech Un.Cr                     |
| Cal. State Un., Fresno Cr         | Franklin & Marshall Col.*Cr    | Monash Un. Cr, Australia                |
| Calvin College Cr                 | Georgia Inst. of TechnologyCr  | Moravian CollegeCr                      |
| Central Missouri State Un. Cr     | Goshen College                 | Nat. Taiwan Un. Cr, Taiwan              |
| Cleveland State Un.               | Haverford CollegeCr            | Nal. Tsing Hua Un.*Cr, Taiwan           |
| College of the Holy Cross*        | Hendrix CollegeCr              | Nat. Un. of Ireland*Cr, Galway, Ireland |
| College of NJCr                   | Hobart & Wm. Smith Col         | Nazarbayev Un.*Cr, Kazakhstan           |
| College of William and MaryCr     | Hofstra Un.Cr                  | New York Un.Cr                          |
| College of Wooster                | Imperial College, UK *         | North Central CollegeCr                 |
| Colorado College Cr               | Inst. of Noetic SciencesCr     | North Dakota State Un.Cr                |
| Creighton UniversityCr            | IISER-TVM, India               | Northeastern Un.Cr                      |
| Dalhousie Un.Cr                   | IIT Delhi Cr, India            | Northeastern Illinois Un.Cr             |
| Dartmouth College Cr              | IIT KanpurCr, India            | Oberlin College                         |
| Denison Un. Cr                    | James Cook Un., Cr Australia   | Otterbein College*                      |
| Drake Un. Cr                      | John Carroll Un.Cr             | Oxford Un. Cr, UK                       |
| Dublin Inst. of Tech. Cr, Ireland | Kenyon CollegeCr               |   |

|                                  |  |   |
|----------------------------------|--|---|
| Pennsylvania State Un, Erie Cr   | SUNY Oneonta   | Un. of Hamburg*Cr, Germany                  |
| Phillips Exeter AcademyCr        | SUNY OswegoCr  | Un. of HawaiiCr                             |
| Philipps-Un. Marburg Cr, Germany | Tech. Un. Dortmund,Cr*Germany                          | Un. of Houston Cr                           |
| Pomona College                   | Tech. Un. Dresden,Cr* Germany                          | Un. of Iowa Cr                              |
| Princeton Un. Cr                 | Tel Aviv Un.Cr * Isreal                                | Un. of Kansas                               |
| RWTH AachenCr, Germany           | Tennessee Tech. Un.                                    | Un. of Kentucky                             |
| Radford Un.                      | Texas A&M, Commerce Cr                                 | Un. of La Verne2                            |
| Ramapo College                   | Texas Lutheran Un.Cr                                   | Un. of los AndesCr, Colombia                |
| Rhodes Un.Cr, S. Africa          | Texas Tech Un.Cr; 2                                    | Un. of MaineCr, 2                           |
| Rochester Ins. of Tech. Cr       | The Technion Cr, Israel*                               | Un. of Melbourne Cr, Australia              |
| Saint Louis Un                   | Thomas Jefferson HS for ScienceCr                      | Un. of Michigan, Dearborn                   |
| Saint Olaf College*              | Thompson Rivers Un.                                    | Un. of Milan, Italy                         |
| San Diego State Un.*Cr           | Trinity College*                                       | Un. of Minnesota, Duluth                    |
| San Francisco State Un. Cr       | Tulane Un.   | Un. of Nebraska, Kearny                     |
| Santa Clara University Cr        | Union Un.Cr  | Un. of Nebraska, Omaha Cr                   |
| Seattle Un. *                    | US Air Force Academy Cr                                | Un. of New Brunswick Cr,<br>Fredrickton, CA |
| Seoul National Un. 2, Korea      | Un. of Alaska, FairbanksCr                             | Un. of New Hampshire Cr                     |
| Shippensburg Un.Cr               | Un. of Arkansas, FayettevilleCr                        | Un. of North Alabama                        |
| Simon Fraser Un. Cr, Canada      | Un. of Bristol, UK                                     | Un. of Nottingham*Cr, UK*                   |
| Slippery Rock Un.Cr              | Un. of Bielefeld Cr, Germany<br>Un. of Calgary, Canada | Un. of OklahomaCr                           |
| Smith College *Cr; 2             | Un. of Cal., MercedCr                                  | Un. of OregonCr                             |
| Sogang Un. Cr;2, Korea           | Un. of Central Arkansas Cr                             | Un. of OsnabrueckCr, Germany                |
| Southern Conn. State Un. Cr; 2   | Un. of Central Missouri                                | Un. of Pennsylvania Cr                      |
| Stanford Un.Cr                   | Un. of Cincinnati                                      | Un. of Perugia, Italy                       |
| SUNY Binghamton Cr               | Un. of Edinburgh, UK                                   | Un. of Pittsburgh Cr                        |
| SUNY Buffalo Cr                  | Un. of Evansville Cr                                   | Un. of Poitiers Cr, France                  |
| SUNY Buffalo - Elec. Eng.        | Un. of Goettingen Cr, Germany                          | Un. of Portland                             |
| SUNY Geneseo*                    | Un. of Granada Cr, Spain                               | Un. of Queensland*Cr, Australia             |

|                                  |                                       |                                |
|----------------------------------|---------------------------------------|--------------------------------|
| Un. of ReginaCr, Canada          | Un. of Wisconsin, Madison Cr*         | Washington CollegeCr           |
| Un. of Saint Andrews* Cr, UK     | Un. of Wisconsin, MilwaukeeCr         | Washington State Un.Cr         |
| Un. of SalzburgCr, Germany       | Un. of Wisconsin, PlattevilleCr       | Western Washington Un.Cr       |
| Un. of South Carolina Cr         | Un. of Wisconsin, Stevens PointCr     | Wheaton College Cr             |
| Un. of Sydney, Australia *Cr     | Un. of Wollongong Cr, Australia       | Whitworth Un.Cr                |
| Un. of Tennessee, Chattanooga Cr | Ursinus CollegeCr                     | Winona State Un.               |
| Un. of Texas, Brownsville Cr     | Utrecht UniversityCr, The Netherlands | Worcester Polytechnic Inst. Cr |
| Un. of Texas, Dallas Cr          | VA Commonwealth Un. Cr                |                                |
| Un. of Texas, San AntonioCr      | Virginia Military Inst.* Cr           | Back to top                    |
| Un. of Tulsa                     | Virginia Tech*                        |                                |
| Un. of Wisconsin, Eau Clair Cr   |                                       |                                |

**TWO-SLIT INTERFERENCE, One Photon at a Time (TWS2-A Includes PCIT-Pulsed Counter/Interval Timer) - Introduced 2012**

|                               |          |  |                                 |
|-------------------------------|----------|--|---------------------------------|
| Arizona State Un.             |          | High Point Un.*                                | Un. of Konstanz, Germany        |
| Belmont Un.                   |          | Kansas State Un.*                              | Un. of La Verne <sup>1</sup>    |
| Biola Un.                     |          | LeTourneau Un.                                 | Un. New South Wales*, Australia |
| California Institute of Tech. |          | Loyola Un., Chicago                            | Un. of North Alabama            |
| California State, Northridge  |          | Massachusetts Col. of Liberal Arts             | Un. of North Texas              |
| Case Western Reserve          |          | Murdoch Un., W. Australia                      | Un. of Trento, Italy            |
| Claremont College             |          | Ohio Wesleyan Un.                              | Un. of Waikato, New Zealand     |
| Coastal Carolina Un.          |          | Seoul Nat'l Un. <sup>1</sup> , South Korea     | Un. of Western Australia        |
| Coe College                   |          | Sogang Un. <sup>1</sup> Southern Methodist Un. | Whitworth Un.                   |
| Drew Un.                      |          | Syracuse Un.                                   |                                 |
| Elmhurst College              |          | Texas Tech Un. <sup>1</sup>                    | Back to top                     |
| Gettysburg College            |          | TU Dresden, Germany                            |                                 |
| Gordon College                |          | Un. of Cambridge, UK                           |                                 |
| Grove City College            | Hartwick | Un. of Connecticut                             |                                 |
| College                       |          |  |                                 |

**GAMPT/TeachSpin UltraSonics - Introduced 2012 \*Multiple sets**

Col. of Charleston

Dartmouth College

Delaware State Un.\*

East Stroudsburg Un.\*

Nazarbayev Un.\*, Kazakhstan

Ramapo College

Skidmore College

SUNY, Albany

SUNY, Oswego

Un. of Guelph\*, Canada

Un. of Manitoba

Un. of Scranton

Utah State Un.

Wayne State Un.

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