

# TA Instruments

## Manual Supplement



Supplement to Getting Started Guide



This page is intentionally blank.

# Table of Contents

TA Instruments End-User License Agreement .....	4
Attachment A to Microsoft OEM Customer License Agreement for Embedded Systems .....	6
Attachment B to End-User License Agreement TRIOS Optional Software .....	9
Attachment C to End-User License Agreement Discovery™ Thermal Instruments 3rd Party Licenses .....	10
Trademarks and Patents .....	11
TA Instruments Trademarks .....	11
TA Instruments Patents .....	11
TA Instruments Offices .....	14

# *TA Instruments End-User License Agreement*

**This License Agreement is your proof of license. Please treat it as valuable property.**

**IMPORTANT - READ CAREFULLY:** This is a legal agreement between you (either an individual or an entity) and TA Instruments for this TA Instruments instrument control and/or data analysis software product. By breaking the seal on your disk/CD-ROM package and/or installing, copying or otherwise using this SOFTWARE, you agree to be bound by the terms and conditions of this agreement. Failure to comply with the terms of this license terminates the agreement and your rights to use this software.

## **TA Instruments Software License**

- 1 GRANT OF LICENSE.** This TA Instruments End-User Software License Agreement (LICENSE) grants you the following rights:
  - a Instrument Control Software:** This LICENSE permits you to use an applicable version of the TA Instruments instrument control software for operation of purchased TA Instruments' products. The software is not restricted to use on only one computer. These programs may be installed on multiple computers for use provided it is for the operation of TA Instruments products.
  - b Data Analysis Software:** This LICENSE permits you to use an applicable version of the TA Instruments data analysis software based on purchased TA Instruments' products. The data analysis software is not restricted to use on only one computer. These programs may be installed on multiple computers for use provided it is for analysis of data generated by the LICENSED instrument control software, or other supported data formats.
  - c Demo or Evaluation Versions:** If TA Instruments designates the Software as a "Demo" or "Evaluation" version, then your license rights under this EULA shall extend solely for the evaluation period. You acknowledge that any Demo or Evaluation version may not be at the same level of performance or compatibility as commercially released software. Demo or Evaluation versions are provided strictly on an "as is" basis.
  - d Miscellaneous:** You may also store or install a copy of the TA Instruments software on a storage device, such as a network server, used only to install or run this software on other computers over an internal network.
- 2 OWNERSHIP RIGHTS.** The software described above is owned by TA Instruments or its suppliers and is protected by United States copyright laws and international treaty provisions. TA Instruments and its suppliers own and retain all right, title and interest in and to this software, including all copyrights, patents, trade secret rights, trademarks and other intellectual property rights therein. Your possession, installation, or use of this software does not transfer to you any title to the intellectual property in this software, and you will not acquire any rights to this software except as expressly set forth in this LICENSE.
- 3 OTHER RESTRICTIONS.** This LICENSE is your proof of license to exercise the rights granted herein and must be retained by you. The following also apply to the software described above as covered by this LICENSE:
  - a** You may not rent or lease this software, but you may transfer your rights under this LICENSE on a permanent basis provided you transfer this LICENSE, this software, security key(s), and all accompanying written materials and retain no copies, and the recipient agrees to the terms of this LICENSE. Any transfer of this software must include the most recent update and all prior versions.
  - b** You may not reverse engineer, decompile, or disassemble this software, except and only to the extent

that such activity is expressly permitted by applicable law notwithstanding this limitation.

- c** Without prejudice to any other rights, TA Instruments may terminate this agreement if you fail to comply with the terms and conditions of this agreement. In such event, you must destroy all copies of this software and all of its component parts.
- d** **NO WARRANTY.** The software described above and documentation are provided on an “as is” basis and all risk is with you. TA Instruments makes no warranties, express, implied, or statutory, as to any matter whatsoever. In particular, any and all warranties of merchantability, fitness for a particular purpose or non-infringement of third parties rights are expressly excluded. Further, TA Instruments makes no representations or warranties that this software and documentation provided are free of errors or viruses or that this software and documentation are suitable for your intended use.

**LIMITATION OF LIABILITY:** In no event shall TA Instruments or its suppliers be liable to you or any other party for any incidental, special, or consequential damages, loss of data, or data being rendered inaccurate, loss of profits or revenue, or interruption of business in any way arising out of or related to the use or inability to use the software described above and/or documentation, regardless of the form of action, whether in contract, tort (including negligence), strict product liability or otherwise, even if any representative of TA Instruments or its suppliers has been advised of the possibility of such damages.

This LICENSE represents the entire agreement concerning the software described above between you and TA Instruments. It supersedes any prior proposal, representation, or understanding between the parties.

**NOTE:** The Microsoft Windows<sup>®</sup> XP Embedded software, used in conjunction with the TAM Assistant software, is not included as part of the TA Instruments’ license agreement. Users of Windows XP Embedded software must abide by the terms and conditions as specified by Microsoft Corporation (Appendix A).

**NOTE:** The Oracle<sup>®</sup> software, used in conjunction with the Advantage Integrity software, is not included as part of the TA Instruments’ Advantage Integrity license agreement. Users of Oracle database software must abide by the terms and conditions as specified by the Oracle Corporation, <http://www.oracle.com>.

# *Attachment A to Microsoft OEM Customer License Agreement for Embedded Systems*

(CLA Version 2004)

## **EULA Terms**

- You have acquired a device ("DEVICE") that includes software licensed by TA Instruments from an affiliate of Microsoft Corporation ("MS"). Those installed software products of MS origin, as well as associated media, printed materials, and "online" or electronic documentation ("SOFTWARE") are protected by international intellectual property laws and treaties. Manufacturer, MS and its suppliers (including Microsoft Corporation) own the title, copyright, and other intellectual property rights in the SOFTWARE. The SOFTWARE is licensed, not sold. All rights reserved.
- This EULA is valid and grants the end-user rights ONLY if the SOFTWARE is genuine and a genuine Certificate of Authenticity for the SOFTWARE is included. For more information on identifying whether your software is genuine, please see <http://www.microsoft.com/piracy/howtotell>.
- IF YOU DO NOT AGREE TO THIS END USER LICENSE AGREEMENT ("EULA"), DO NOT USE THE DEVICE OR COPY THE SOFTWARE. INSTEAD, PROMPTLY CONTACT TA INSTRUMENTS FOR INSTRUCTIONS ON RETURN OF THE UNUSED DEVICE(S) FOR A REFUND. **ANY USE OF THE SOFTWARE, INCLUDING BUT NOT LIMITED TO USE ON THE DEVICE, WILL CONSTITUTE YOUR AGREEMENT TO THIS EULA (OR RATIFICATION OF ANY PREVIOUS CONSENT).**
- **GRANT OF SOFTWARE LICENSE.** This EULA grants you the following license:
  - You may use the SOFTWARE only on the DEVICE.
  - **Restricted Functionality.** You are licensed to use the SOFTWARE to provide only the limited functionality (specific tasks or processes) for which the DEVICE has been designed and marketed by TA Instruments. This license specifically prohibits any other use of the software programs or functions, or inclusion of additional software programs or functions that do not directly support the limited functionality on the DEVICE. Notwithstanding the foregoing, you may install or enable on a DEVICE, systems utilities, resource management or similar software solely for the purpose of administration, performance enhancement and/or preventive maintenance of the DEVICE.
  - If you use the DEVICE to access or utilize the services or functionality of Microsoft Windows Server products (such as Microsoft Windows Server 2003), or use the DEVICE to permit workstation or computing devices to access or utilize the services or functionality of Microsoft Windows Server products, you may be required to obtain a Client Access License for the DEVICE and/or each such workstation or computing device. Please refer to the end user license agreement for your Microsoft Windows Server product for additional information.
  - **NOT FAULT TOLERANT.** THE SOFTWARE IS NOT FAULT TOLERANT. TA INSTRUMENTS HAS INDEPENDENTLY DETERMINED HOW TO USE THE SOFTWARE IN THE DEVICE, AND MS HAS RELIED UPON THERMOMETRIC TO CONDUCT SUFFICIENT TESTING TO DETERMINE THAT THE SOFTWARE IS SUITABLE FOR SUCH USE.
  - **NO WARRANTIES FOR THE SOFTWARE.** THE SOFTWARE is provided "AS IS" and with all faults. THE ENTIRE RISK AS TO SATISFACTORY QUALITY, PERFORMANCE, ACCURACY, AND EFFORT (INCLUDING LACK OF NEGLIGENCE) IS WITH YOU. ALSO, THERE IS NO WARRANTY AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE SOFTWARE OR AGAINST INFRINGEMENT. IF YOU HAVE RECEIVED ANY WARRANTIES REGARDING THE DEVICE OR THE SOFTWARE, THOSE WARRANTIES DO NOT ORIGINATE FROM, AND ARE NOT BINDING ON, MS.



- **No Liability for Certain Damages.** EXCEPT AS PROHIBITED BY LAW, MS SHALL HAVE NO LIABILITY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE SOFTWARE. THIS LIMITATION SHALL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. IN NO EVENT SHALL MS BE LIABLE FOR ANY AMOUNT IN EXCESS OF U.S. TWO HUNDRED FIFTY DOLLARS (U.S.\$250.00).
- **Restricted Uses.** The SOFTWARE is not designed or intended for use or resale in hazardous environments requiring fail-safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, or other devices or systems in which a malfunction of the SOFTWARE would result in foreseeable risk of injury or death to the operator of the device or system, or to others.
- **Limitations on Reverse Engineering, Decompilation, and Disassembly.** You may not reverse engineer, decompile, or disassemble the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation.
- **SOFTWARE as a Component of the DEVICE - Transfer.** This license may not be shared, transferred to or used concurrently on different computers. The SOFTWARE is licensed with the DEVICE as a single integrated product and may only be used with the DEVICE. If the SOFTWARE is not accompanied by a DEVICE, you may not use the SOFTWARE. You may permanently transfer all of your rights under this EULA only as part of a permanent sale or transfer of the DEVICE, provided you retain no copies of the SOFTWARE. If the SOFTWARE is an upgrade, any transfer must also include all prior versions of the SOFTWARE. This transfer must also include the Certificate of Authenticity label. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the SOFTWARE must agree to all the EULA terms.
- **Consent to Use of Data.** You agree that MS, Microsoft Corporation and their affiliates may collect and use technical information gathered in any manner as part of product support services related to the SOFTWARE. MS, Microsoft Corporation and their affiliates may use this information solely to improve their products or to provide customized services or technologies to you. MS, Microsoft Corporation and their affiliates may disclose this information to others, but not in a form that personally identifies you.
- **Internet Gaming/Update Features.** If the SOFTWARE provides, and you choose to utilize, the Internet gaming or update features within the SOFTWARE, it is necessary to use certain computer system, hardware, and software information to implement the features. By using these features, you explicitly authorize MS, Microsoft Corporation and/or their designated agent to use this information solely to improve their products or to provide customized services or technologies to you. MS or Microsoft Corporation may disclose this information to others, but not in a form that personally identifies you.
- **Internet-Based Services Components.** The SOFTWARE may contain components that enable and facilitate the use of certain Internet-based services. You acknowledge and agree that MS, Microsoft Corporation or their affiliates may automatically check the version of the SOFTWARE and/or its components that you are utilizing and may provide upgrades or supplements to the SOFTWARE that may be automatically downloaded to your DEVICE. Microsoft Corporation or their affiliates do not use these features to collect any information that will be used to identify you or contact you. For more information about these features, please see the privacy statement at <http://go.microsoft.com/fwlink/?LinkId=25243>.
- **Links to Third Party Sites.** You may link to third party sites through the use of the SOFTWARE. The third party sites are not under the control of MS or Microsoft Corporation, and MS or Microsoft are not responsible for the contents of any third party sites, any links contained in third party sites, or any changes or updates to third party sites. MS or Microsoft Corporation is not responsible for webcasting or any other form of transmission received from any third party sites. MS or Microsoft Corporation are providing these links to third party sites to you only as a convenience, and the inclusion of any link does not imply an endorsement by MS or Microsoft Corporation of the third party site.

- **Notice Regarding Security.** To help protect against breaches of security and malicious software, periodically back up your data and system information, use security features such as firewalls, and install and use security updates.
- **No Rental/Commercial Hosting.** You may not rent, lease, lend or provide commercial hosting services with the SOFTWARE to others.
- **Separation of Components.** The SOFTWARE is licensed as a single product. Its component parts may not be separated for use on more than one computer.
- **Additional Software/Services.** This EULA applies to updates, supplements, add-on components, product support services, or Internet-based services components ("Supplemental Components"), of the SOFTWARE that you may obtain from TA Instruments, MS, Microsoft Corporation or their subsidiaries after the date you obtain your initial copy of the SOFTWARE, unless you accept updated terms or another agreement governs. If other terms are not provided along with such Supplemental Components and the Supplemental Components are provided to you by MS, Microsoft Corporation or their subsidiaries then you will be licensed by such entity under the same terms and conditions of this EULA, except that (i) MS, Microsoft Corporation or their subsidiaries providing the Supplemental Components will be the licensor with respect to such Supplemental Components in lieu of "TA INSTRUMENTS" for the purposes of the EULA, and (ii) TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE SUPPLEMENTAL COMPONENTS AND ANY (IF ANY) SUPPORT SERVICES RELATED TO THE SUPPLEMENTAL COMPONENTS ARE PROVIDED AS IS AND WITH ALL FAULTS. ALL OTHER DISCLAIMERS, LIMITATION OF DAMAGES, AND SPECIAL PROVISIONS PROVIDED BELOW AND/OR OTHERWISE WITH THE SOFTWARE SHALL APPLY TO SUCH SUPPLEMENTAL COMPONENTS. MS, Microsoft Corporation or their subsidiaries reserve the right to discontinue any Internet-based services provided to you or made available to you through the use of the SOFTWARE.
- **Recovery Media.** If SOFTWARE is provided by TA Instruments on separate media and labeled "Recovery Media" you may use the Recovery Media solely to restore or reinstall the SOFTWARE originally installed on the DEVICE.
- **Backup Copy.** You may make one (1) backup copy of the SOFTWARE. You may use this backup copy solely for your archival purposes and to reinstall the SOFTWARE on the DEVICE. Except as expressly provided in this EULA or by local law, you may not otherwise make copies of the SOFTWARE, including the printed materials accompanying the SOFTWARE. You may not loan, rent, lend or otherwise transfer the backup copy to another user.
- **End User Proof of License.** If you acquired the SOFTWARE on a DEVICE, or on a compact disc or other media, a genuine Microsoft "Proof of License"/Certificate of Authenticity label with a genuine copy of the SOFTWARE identifies a licensed copy of the SOFTWARE. To be valid, the label must be affixed to the DEVICE, or appear on TA Instruments' software packaging. If you receive the label separately other than from TA Instruments, it is invalid. You should keep the label on the DEVICE or packaging to prove that you are licensed to use the SOFTWARE.
- **Product Support.** Product support for the SOFTWARE is not provided by MS, Microsoft Corporation, or their affiliates or subsidiaries. For product support, please refer to TA Instruments support number provided in the documentation for the DEVICE. Should you have any questions concerning this EULA, or if you desire to contact TA Instruments for any other reason, please refer to the address provided in the documentation for the DEVICE.
- **Termination.** Without prejudice to any other rights, TA Instruments may terminate this EULA if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the SOFTWARE and all of its component parts.
- **EXPORT RESTRICTIONS.** You acknowledge that SOFTWARE is subject to U.S. and European Union export jurisdiction. You agree to comply with all applicable international and national laws that apply to the SOFTWARE, including the U.S. Export Administration Regulations, as well as end-user, end-use and destination restrictions issued by U.S. and other governments. For additional information see <http://www.microsoft.com/exporting/>.



# *Attachment B to End-User License Agreement*

## *TRIOS Optional Software*

**IMPORTANT - READ CAREFULLY:** This is a legal agreement between you (either an individual or an entity) and TA Instruments for this TA Instruments' optional software product(s). By installing, copying or otherwise using this SOFTWARE, you agree to be bound by the terms and conditions of this agreement. Failure to comply with the terms of this license terminates the agreement and your rights to use this software.

### **TA Instruments Software License (For Optional Data Analysis Software)**

**GRANT OF LICENSE.** This TA Instruments End-User Software License Agreement (LICENSE) grants you the following rights:

- 1 Optional Data Analysis Software:** This LICENSE permits you to use an applicable version of the TA Instruments optional data analysis software based on purchased TA Instruments' products. Optional data analysis software is restricted according to the package purchased.
  - a TRIOS - ARES FT Rheology and Non-Linear Analysis Package:** This data analysis option may be installed on the primary instrument control computer as well as one other computer provided the software is only used for analysis of data generated by a corresponding purchased TA Instruments' module (instrument).
  - b Other TRIOS Options:** Other than noted above, other data analysis options are not restricted for use on only one computer; rather, may be installed on multiple computers provided the software is only used for analysis of data generated by a corresponding purchased TA Instruments' module (instrument).
- 2 Demo or Evaluation Versions:** If TA Instruments designates the Software as a "Demo" or "Evaluation" version, then your license rights under this EULA shall extend solely for the evaluation period. You acknowledge that any Demo or Evaluation version may not be at the same level of performance or compatibility as commercially released software. Demo or Evaluation versions are provided strictly on an "as is" basis.
- 3 Miscellaneous:** You may also store or install a copy of the TA Instruments software on a storage device, such as a network server, used only to install or run this software on other computers over an internal network.

## *Attachment C to End-User License Agreement*

### *Discovery™ Thermal Instruments 3rd Party Licenses*

Click a link below to open a separate PDF document containing the applicable 3rd party license agreement.

Note that these PDF documents are available only through the installation of TRIOS Instrument Control Software and its associated documentation.

- [Adobe Systems Distrubution License](#)
- [Adobe Reader](#)
- [FreeRTOS License](#)
- [GNU General Public License](#)
- [GNU Lesser General Public License](#)
- [PostgreSQL License](#)
- [PSF License Agreement](#)
- [Zlib License](#)
- [BSD License](#)

## *Trademarks and Patents*

The following references apply to the information presented in this document:

### **TA Instruments Trademarks**

Q Series™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Integrity™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Modulated DSC® and MDSC® are registered trademarks of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720

Tzero® is a registered trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Smart Swap™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Hi-Res™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Mobius Drive™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Modulated TGA™ and MTGA™ are trademarks of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

Platinum™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

DSCRun™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

CpCalc™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

ITCRun™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

BindWorks™ is a trademark of TA Instruments Waters—LLC, 159 Lukens Drive, New Castle, DE 19720.

### **TA Instruments Patents**

Humidity-Controlled Chamber for a Thermogravimetric Instrument describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,635,092).

System and Method for Dynamically Controlling Operation of Rheometric Instruments describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,607,098).

System and Method for Improved Optical Measurements During Rheometric Measurements describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,594,429).

System and Method for a Thermogravimetric Analyzer Having Improved Dynamic Weight Baseline describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,566,167).

Rheometer Torque Calibration Fixture describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,526,941).

System for In-Situ Optical Measurement and Sample Heating During Rheometric Measurements describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,500,385).

System and Method for a Thermogravimetric Analyzer Having Improved Dynamic Weight Baseline describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,416,328).

Heat Spreader for Rotary Rheometer describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,168,299).

Rotary Rheometer Magnetic Bearing describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,137,290).

System and Method for Enhanced Measurement of Rheological Properties describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,135,874).

Polymer Melt and Elastomer Extension Fixture describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,096,728).

System and Method for Measurement of Small-Angle or Small-Displacement describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,075,317).

Humidity-Controlled Chamber for a Thermogravimetric Instrument describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,048,435).

Rotary Rheometer Magnetic Bearing describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 7,017,393).

Absolute Temperature Measuring Apparatus and Method describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,994,467).

System and Method for Automatic Identification of a Detachable Component of an Instrument describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,952,950).

Wide Range Dynamic Rheometer describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,931,915).

Platen for Automatic Sampler describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,859,271).

Automatic Sampling Device describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,846,455).

Thermogravimetric Analyzer Autosampler Sealed Sample Pan describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,840,668).

Method and Apparatus for Positional Calibration of a Thermal Analysis Instrument describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,823,278).

Devices, Systems and Methods for Sensing Temperature of a Drag Cup in a Rheometer Motor describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,798,099).

Method and Apparatus for Positional Calibration of a Thermal Analysis Instrument describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,760,679).

Gripper Device describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,652,015).

Sample Tray for Automatic Sampler describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,644,136).

Rotary Rheometer describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,588,254).

Liquid Nitrogen Cooling System describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,578,367).

Differential Scanning Calorimeter describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,561,692).

Thermal Analysis Assembly with Distributed Resistance and Integral Flange for Mounting Various Cooling Devices describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,523,998).

Differential Scanning Calorimeter describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,488,406).

Heat Flux Differential Scanning Calorimeter Sensor describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,431,747).

Method and Apparatus of Modulated-Temperature Thermogravimetry describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,336,741).

Method and Apparatus of Modulated-Temperature Thermogravimetry describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,113,261).

Method and Apparatus for Modulated-Temperature Thermomechanical Analysis describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 6,007,240).

System and Method for Heater Control for Evaporation of Cryogenic Fluids for Cooling Scientific Instruments describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,973,299).

Metallic Sheet Insulation System describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,915,283).

Dynamic and Thermal Mechanical Analyzer Having an Optical Encoder with Diffraction Grating and a Linear Permanent Magnet Motor describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,710,426).

Method and Apparatus for High Resolution Analysis describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,368,391).

Method and Apparatus for Modulated Differential Analysis describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,346,306).

Method and Apparatus for Thermal Conductivity Measurements describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,335,993).

Thermogravimetric Apparatus describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,321,719).

Method and Apparatus for Modulated Differential Analysis describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,224,775).

Method and Apparatus for High Resolution Analysis describes proprietary technology patented by TA Instruments Waters—LLC (U.S. Patent No. 5,165,792).

System and Method for Interfacial Rheometry describes proprietary technology patented by TA Instruments—Waters LLC (U.S. Patent No. 7,926,326)

## *TA Instruments Offices*

For information on our latest products, contact information, and more, see our Web site at:  
<http://www.tainstruments.com>.

TA Instruments—Waters LLC  
Corporate Headquarters  
159 Lukens Drive  
New Castle, DE 19720  
USA

Telephone: 302.427.4000  
Fax: 302.427.4001  
Email: [info@tainstruments.com](mailto:info@tainstruments.com)