



A Tektronix Company

A Greater Measure of Confidence

TRACEABLE CALIBRATION

DMM6500, 4648119
Cal Date: 27-AUG-2024
Cal Due: Lab: Kei

KEITHLEY

KEITHLEY INSTRUMENTS, INC * 28775 AURORA RD, CLEVELAND, OHIO - USA * 440-248-0400 * Fax: 440-248-6168 * 1-888-KEITHLEY * www.keithley.com

Calibration Facility: This product was calibrated for Keithley Instruments by
Tektronix (China) Co. Ltd., 1227 Chuan Qiao Road, Pudong New District, Shanghai, China 201206

Calibration Certificate

Certificate No: PC2K176NX58	Revision: 00	Serial No: 4648119
Manufacturer: Keithley	Model: DMM6500	Humidity: 41 %
Description: 6 1/2 Digit Multimeter	Temperature: 23.0 °C	
Calibration Date: 27-AUG-2024	Date Placed In Service: _____	* Due Date: _____ *

* Optional customer entry fields: The due date may be established by adding the Keithley recommended cal interval stated in the product manual to the "Date placed in service"

Initial Condition: Not applicable, new product Final Condition: In Tolerance

- Keithley Instruments, Inc. certifies that the above instrument meets its published measurement specifications.
- This instrument has been calibrated using measurement standards traceable to the International System of Units (SI) through the PRC National Institute of Metrology (NIM), or other National Metrology Institutes (such as NIST, NPL, PTB, etc.).
- The policies and procedures used for the calibration of this product are based upon ANSI/NCSS Z540.1-1994 (R2002).
- The quality system used by the calibration facility is ISO 9001:2015 registered.
- This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances would be made by the customer as needed.
- This calibration certificate shall not be reproduced, except in full, without the written approval of Keithley Instruments, Inc.
- The test results shown in this report apply to the calibrated item identified on page one of this certificate.

Calibration Procedure Used: MANIFEST:Product Dmm 2019-KeithleyDMMs Full VERSION:51

Calibration Standards Used:

Manufacturer/Model	Model Description	ID Number	Due Date
Fluke 5725A	Power Amplifier	KI10610	13-Apr-2025
Fluke 5730A	Multifunction Calibrator	CT1904	18-Feb-2026
Fluke 8588A	Digital Multimeter	CT2126	30-Sep-2024
IET Labs 1423-9801	Decade Capacitor	CT2120	24-Aug-2025
IET Labs HACS-Z-A-2E-1uF	Decade Capacitance Substituter	KI10441	08-Apr-2025
Keithley 3390	Function/Arbitrary Waveform Gen	KI10629	13-May-2025

Issued By:

Quality Director: LI Yongdong

Certified By: Biao Luo

Date Issued: 27-AUG-2024

DMM6500 4648119

Page 1 of 1

PA-1061B



Keithley Instruments
 28775 Aurora Road
 Cleveland, Ohio 44139
 1-800-833-9200
tek.com/keithley

Instrument/System



This symbol indicates that this product complies with the applicable European Union requirements according to Directives 2012/19/EU and 2006/66/EC on waste electrical and electronic equipment (WEEE) and batteries. For information about recycling options, go to the Tektronix Web site tek.com/recycle.

The following information is provided as required by the China regulation Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products ("Management Methods").

Hazardous substances¹

Part name ²	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated biphenyl (PBB)	Polybrominated diphenyl ether (PBDE)
Chassis (plastic / rubber)	0	0	0	0	0	0
Chassis (metal)	X	0	0	0	0	0
Power Supply Components	X	0	0	0	0	0
Printed Circuit Assemblies	X	0	0	0	0	0
Wire and Cable Assemblies	X	0	0	0	0	0
Connectors	X	0	0	0	0	0
Fasteners	X	0	0	0	0	0
Accessories	X	0	0	0	0	0
Remainder	0	0	0	0	0	0

¹ This table is prepared in accordance with the provisions of SJ/T 11364.

"X" indicates that the content of the hazardous substance in at least one homogeneous material of the part exceeds the concentration limit requirement as described in GB/T 26572.

"0" indicates that the content of the hazardous substance in all the homogeneous materials of the part is below the concentration limit requirement as described in GB/T 26572.

² The listing of part names includes entries that are subassemblies, as permitted by the "Management Methods."

The "General product and accessories" symbol applies to products and accessories but does not apply to batteries. Batteries are addressed by the "Battery" symbol.



General product and accessories symbol



Battery symbol

- The number displayed within the symbol indicates the Environmentally Friendly Use Period (EFUP) for the accompanying electrical or electronic product. The EFUP is the number of years from date of manufacture that the electrical or electronic product may be used under normal conditions or customary use without risk that the contained hazardous substances will leak from or mutate in the product.
- The date of manufacture is included on the product packaging label and is provided in a Year/Month/Day format or equivalent. If you do not have access to the packaging label, the product date of manufacturing may also be traced through the product serial number, where applicable. Contact Keithley Instruments if you need further information.
- The "General product and accessories" EFUP excludes the contribution of any batteries. The EFUP for any included batteries is shown in the "Battery" symbol. The EFUP assumes that consumable items, such as batteries, are replaced as required for proper maintenance.
- Except as specifically required by the "Management Methods," Keithley makes no representation or warranty of any kind, expressed or implied, with respect to the EFUP and expressly disclaims any representations or warranties, expressed or implied, with respect to EFUP.



KEITHLEY

A Tektronix Company

Perchlorate Materials Handling Information

Keithley Instruments
28775 Aurora Road
Cleveland, Ohio 44139
1-800-935-5595
tek.com/keithley

Handling perchlorate materials

This product contains one or more type CR lithium batteries. According to the state of California, CR lithium batteries are classified as perchlorate materials and require special handling. See www.dtsc.ca.gov/hazardouswaste/perchlorate for additional information.

The logo for TEEC Instrumental is centered on the page. It features the word "TEEC" in a large, bold, grey font with a white outline. Below it, the word "INSTRUMENTAL" is written in a smaller, grey, sans-serif font. The entire logo is set against a background of overlapping blue diamond shapes.

TEEC
INSTRUMENTAL



Keithley Instruments

28775 Aurora Road
Cleveland, Ohio 44139
1-800-935-5595
tek.com/keithley

Keithley End User License Agreement

This End User Agreement ("Agreement") is an agreement between Keithley Instruments, LLC, an Ohio corporation, and its corporate affiliates, subsidiaries, and divisions as applicable (collectively, "Keithley," "we," "us," or "our") and You (including any entity or organization you represent, collectively, "Customer" or "You"). Please read this Agreement carefully as this Agreement governs the terms and conditions under which You are permitted to use Keithley's software and services.

THE SOFTWARE, ENCODED OR INCORPORATED WITHIN EQUIPMENT OR ACCOMPANYING THIS AGREEMENT, IS FURNISHED SUBJECT TO THE TERMS AND CONDITIONS OF THIS AGREEMENT. BY INDICATING YOUR ACCEPTANCE OF THESE TERMS, BY SELECTING AN "ACCEPT" OR SIMILAR BUTTON IN A SOFTWARE MENU, OR BY RETAINING THE SOFTWARE FOR MORE THAN THIRTY DAYS OR USING THE SOFTWARE IN ANY MANNER YOU (A) ACCEPT THIS AGREEMENT AND AGREE THAT YOU ARE LEGALLY BOUND BY ITS TERMS; AND (B) REPRESENT AND WARRANT THAT: (I) YOU ARE OF LEGAL AGE TO ENTER INTO A BINDING AGREEMENT; AND (II) IF YOU ARE A REPRESENTATIVE FOR A CORPORATION OR OTHER LEGAL ENTITY, YOU HAVE THE RIGHT, POWER, AND AUTHORITY TO ENTER INTO THIS AGREEMENT ON BEHALF OF SUCH ENTITY AND BIND SUCH ENTITY TO ITS TERMS. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, KEITHLEY WILL NOT AND DOES NOT LICENSE THE SOFTWARE TO YOU AND YOU MUST NOT DOWNLOAD, INSTALL, OR USE THE SOFTWARE. UNITED STATES GOVERNMENT CUSTOMERS OR END-USERS MAY REQUEST A GOVERNMENT ADDENDUM TO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT OR YOUR ACCEPTANCE OF THE TERMS AND CONDITIONS OF THIS AGREEMENT, NO LICENSE IS GRANTED (WHETHER EXPRESSLY, BY IMPLICATION, OR OTHERWISE) UNDER THIS AGREEMENT TO ANY SOFTWARE THAT YOU DID NOT ACQUIRE LAWFULLY OR THAT IS NOT A LEGITIMATE, AUTHORIZED COPY OF KEITHLEY'S SOFTWARE. THIS AGREEMENT EXPRESSLY EXCLUDES ANY RIGHTS CONCERNING SUCH ILLEGITIMATE COPIES.

IF THESE TERMS ARE NOT ACCEPTABLE, THE UNUSED SOFTWARE AND ANY ACCOMPANYING DOCUMENTATION SHOULD BE RETURNED PROMPTLY TO KEITHLEY (WITHIN 30 DAYS OF PURCHASE) FOR A FULL REFUND OF THE LICENSE FEE PAID. (FOR INFORMATION REGARDING THE RETURN OF SOFTWARE ENCODED OR INCORPORATED WITHIN EQUIPMENT, CONTACT THE NEAREST KEITHLEY SALES OFFICE.)

DEFINITIONS

"Equipment" means Keithley equipment that the Software is encoded or incorporated within or installed onto.

LICENSE

Subject to the terms and conditions of this Agreement, Keithley grants You a non-exclusive, non-transferable license to the Software, as follows

You may:

1. Use the Software with the Equipment, or if the Software is not encoded or incorporated in any Keithley equipment, on no more than one machine at a time; and
2. Copy the Software for archival or backup purposes, provided that no more than one (1) such copy is permitted to exist at any one time, and provided that each copy includes a reproduction of any patent or copyright notice or restrictive rights legend that was included with the Software, as received from Keithley;
3. Fully transfer the Equipment to a third party but only if prominently accompanied by this End User License Agreement, and such third-party recipients agree to be bound by the terms of this Agreement; and
4. Integrate Keithley products that contain the Software into a system and sell or distribute that system to third parties, provided that those third parties are bound by the terms of this Agreement, and provided that You (i) do not separate the Software from any Equipment it is incorporated into, (ii) do not retain any copies of the Software, and (iii) do not modify the Software.



Keithley Instruments

28775 Aurora Road
Cleveland, Ohio 44139
1-800-935-5595
tek.com/keithley

The following safety precautions should be observed before using this product and any associated instrumentation. Although some instruments and accessories would normally be used with nonhazardous voltages, there are situations where hazardous conditions may be present.

This product is intended for use by personnel who recognize shock hazards and are familiar with the safety precautions required to avoid possible injury. Read and follow all installation, operation, and maintenance information carefully before using the product. Refer to the user documentation for complete product specifications.

If the product is used in a manner not specified, the protection provided by the product warranty may be impaired.

The types of product users are:

Responsible body is the individual or group responsible for the use and maintenance of equipment, for ensuring that the equipment is operated within its specifications and operating limits, and for ensuring that operators are adequately trained.

Operators use the product for its intended function. They must be trained in electrical safety procedures and proper use of the instrument. They must be protected from electric shock and contact with hazardous live circuits.

Maintenance personnel perform routine procedures on the product to keep it operating properly, for example, setting the line voltage or replacing consumable materials. Maintenance procedures are described in the user documentation. The procedures explicitly state if the operator may perform them. Otherwise, they should be performed only by service personnel.

Service personnel are trained to work on live circuits, perform safe installations, and repair products. Only properly trained service personnel may perform installation and service procedures.

Keithley products are designed for use with electrical signals that are measurement, control, and data I/O connections, with low transient overvoltages, and must not be directly connected to mains voltage or to voltage sources with high transient overvoltages. Measurement Category II (as referenced in IEC 60664) connections require protection for high transient overvoltages often associated with local AC mains connections. Certain Keithley measuring instruments may be connected to mains. These instruments will be marked as category II or higher.

Unless explicitly allowed in the specifications, operating manual, and instrument labels, do not connect any instrument to mains.

Exercise extreme caution when a shock hazard is present. Lethal voltage may be present on cable connector jacks or test fixtures. The American National Standards Institute (ANSI) states that a shock hazard exists when voltage levels greater than 30 V RMS, 42.4 V peak, or 60 VDC are present. A good safety practice is to expect that hazardous voltage is present in any unknown circuit before measuring.

Operators of this product must be protected from electric shock at all times. The responsible body must ensure that operators are prevented access and/or insulated from every connection point. In some cases, connections must be exposed to potential human contact. Product operators in these circumstances must be trained to protect themselves from the risk of electric shock. If the circuit is capable of operating at or above 1000 V, no conductive part of the circuit may be exposed.

Do not connect switching cards directly to unlimited power circuits. They are intended to be used with impedance-limited sources. NEVER connect switching cards directly to AC mains. When connecting sources to switching cards, install protective devices to limit fault current and voltage to the card.

Before operating an instrument, ensure that the line cord is connected to a properly-grounded power receptacle. Inspect the connecting cables, test leads, and jumpers for possible wear, cracks, or breaks before each use.

When installing equipment where access to the main power cord is restricted, such as rack mounting, a separate main input power disconnect device must be provided in close proximity to the equipment and within easy reach of the operator.

For maximum safety, do not touch the product, test cables, or any other instruments while power is applied to the circuit under test. ALWAYS remove power from the entire test system and discharge any capacitors before: connecting or disconnecting cables or jumpers, installing or removing switching cards, or making internal changes, such as installing or removing jumpers.

