



CALIBRATION CERT #2462.01

Calibration Certificate

Manufacturer: Keithley Instruments, Inc.
Model Number: 2602-768
Serial Number: 8785
ID Number: 8785
Procedure: QA-7244

Calibration Date: 22-Mar-2012
Ambient Temperature: 22.3 °C
Relative Humidity: 41.1 %
Report Number: 8785:20120322101757

Customer Information:
Tektronix Taiwan Ltd

Purchase Order Number

- Keithley Metrology Services certifies that the above instrument was calibrated as stated in the referenced procedure (unless otherwise noted). It has been measured using standards traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST), or other national standards. This calibration complies with the requirements of ISO/IEC 17025:2005.
- The Keithley Instruments, Inc., quality system is registered to ISO 9001:2008.
- 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.
- The test results shown in this report apply to the calibrated item identified on page 1 of this certificate.
- This calibration certificate shall not be reproduced, except in full, without the written approval of Keithley Instruments, Inc.
- The uncertainties were computed in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

Standards Used			
<u>Manufacturer</u>	<u>Model Number</u>	<u>Control Number</u>	<u>Due Date</u>
Measurements Int'l	6010B	6346	5/2/2012
Leeds & Northrup	4210	1006	3/28/2012

Technician: 5205 _____

Approved By: Helga A. Alexander
Helga A. Alexander
Metrology Services Manager

Measurement Report

Calibration Date: 22-Mar-2012
Manufacturer: Keithley Instruments, Inc
Model Number: 2602-768
Serial Number: 8785
Asset/ID Number: 8785

Report Number: **8785:20120322101757**

<u>Resistor Value</u>	<u>Expanded Uncertainty</u> (95% CL;k=2)
5.001 978 89 E-01 Ω	0.324 $\mu\Omega/\Omega$

Calibration Conditions:

The resistor value is determined with a test current of 100 milliamps applied to the unit under test (UUT) during the calibration process. The reported resistor value has not been corrected for temperature.

Measurement Uncertainty:

The reported uncertainty is calculated in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of 2.02 was applied to the standard uncertainty to express the expanded uncertainty at a confidence level of 95.45%.

End of Measurement Report