



Certificate of Calibration

ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006

Certificate Number 1-14166504718-1

| | | | |
|----------------------------|-------------------------------|--------------------------------|--|
| Model Number | 34401A | Customer | Keysight Technologies Korea Ltd |
| Manufacturer | Keysight Technologies Inc | | Singsong Center Bldg. #57, Yeouinaru-ro, |
| Description | Digital multimeter, 6.5 digit | | Youngdeungpo-gu |
| Serial Number | US36131155 | | Seoul 07327 |
| Customer Asset No. | EMKO01 | | KOREA, REPUBLIC OF |
| Options Installed | See Measurement Report | | |
| Date of Calibration | 9 Mar 2021 | Location of Calibration | Keysight Technologies Korea Ltd. |
| Procedure | STE-50111013-D.03.05 | | Singsong Center Bldg. #57, Yeouinaru-ro, |
| Temperature | (23 ± 5) °C | | Youngdeungpo-gu |
| Humidity | (50 ± 20) %RH | | Seoul 07327 |
| | | | KOREA, REPUBLIC OF |

This certifies that the equipment has been calibrated using applicable Keysight Technologies procedures and in compliance with ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006. The quality management system is registered to ISO 9001:2015. This calibration report is composed of a certificate of calibration, performance test results and/or certificate appendices. Each report section is numbered separately. This report is NOT an accredited report by Korea Laboratory Accreditation Scheme, a ILAC MRA signatory.

As Received Conditions

The measured values of the equipment were observed in specification at the points tested. Additionally, the expanded measurement uncertainty intervals about the measured values were in specification.

Action Taken

- No corrective actions were necessary.

As Completed Conditions

The measured values of the equipment were observed in specification at the points tested. Additionally, the expanded measurement uncertainty intervals about the measured values were in specification.

Remarks or Special Requirements

This calibration report shall not be reproduced, except in full. The documented results relate to the equipment calibrated only.

The test limits stated in the report correspond to the published specifications of the equipment, at the points tested.

This calibration report may refer to equipment manufactured by HP, Agilent and Keysight as being manufactured by Keysight Technologies.

Based on the customer's request, the next calibration is due on 9 Mar 2022.

Keysight Technologies Korea Ltd.
Singsong Center Bldg. #57, Yeouinaru-ro,
Youngdeungpo-gu
Seoul 07327
KOREA, REPUBLIC OF
Issue Date 9 Mar 2021

Kangouk Lee - Quality Manager

Certificate of Calibration

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Traceability Information

Technician ID 00380663

Measurements are traceable to the International System of Units (SI) via national metrology institutes (www.keysight.com/find/NMI) that are signatories to the CIPM Mutual Recognition Arrangement.

Calibration Equipment Used

| Model Number | Model Description | Equipment ID | Cal Due Date |
|--------------|---|--------------|--------------|
| 33250A | Function/Arbitrary Waveform Generator, 80 MHz | 33250A33349 | 9 Dec 2021 |
| 5720A | Multifunction Calibrator - No Options | 5720A79213 | 20 Apr 2021 |
| 5725A | Amplifier for 5700A or 5720A | 5725A25008 | 20 Apr 2021 |

Traceability Table

| | Model | Model Description | Equipment ID | Certificate Number | Trace Value |
|-----|--------|---|--------------|--------------------------------|--|
| W,R | 33250A | Function/Arbitrary Waveform Generator, 80 MHz | 33250A33349 | I-13660231379-1-ANAB:AC-2852 | AC Voltage DC Voltage Frequency |
| W,R | 5720A | Multifunction Calibrator - No Options | 5720A79213 | I-12482691880-1-KOLAS:KC00-011 | AC Current AC Voltage DC Current DC Voltage Resistance |
| W,R | 5725A | Amplifier for 5700A or 5720A | 5725A25008 | I-12482691932-1-KOLAS:KC00-011 | AC Current AC Voltage DC Current |

Legend

W - Working Standard The calibration equipment used for the calibration of the Model indicated on the first page of the Certificate of calibration.

R - Reference Standard The Reference Standard (Accredited or NMI-calibrated ETE) used to provide traceability to the SI-Units for the calibration parameters listed.

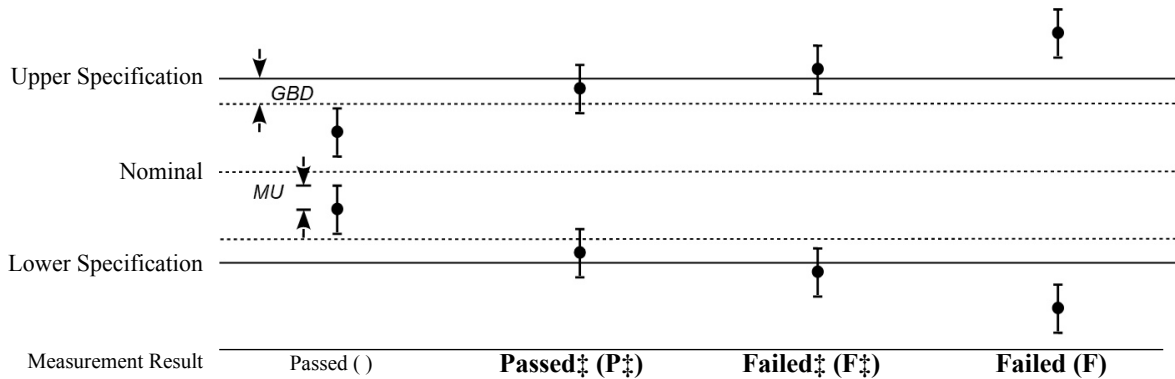
Compliance with Specification

The uncertainty of measurement has been taken into account when determining compliance with specification, as per ILAC-G8:09/2019. If the expanded measurement uncertainty intervals centered about one or more measured values were both in as well as out of specification (upper or lower), it is not possible to state compliance or non-compliance based on a 95% coverage probability for the expanded measurement uncertainty.

An overall statement of compliance for all tests performed as received, and as completed (if any adjustments / repairs were performed) is included at the beginning of this report. Statements of compliance apply only to warranted specifications. When functional verification tests are performed, results are reported in the "Functional Test" section, and do not affect these statements of compliance. The status summaries relate to the tested item only. A final decision about whether the item's performance actually satisfies requirements of the user can only be made by the user.

Measurement results are reported as:

- Passed () - The measured values of the equipment were observed in specification at the points tested. Additionally, the expanded measurement uncertainty intervals about the measured values were in specification.
- Passed‡ (P‡) - The measured values of the equipment were observed in specification at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values exceeded specification. Consequently, compliance with specification cannot be declared based on the stated coverage probability.
- Failed‡ (F‡) - One or more measured values of the equipment were observed out of specification at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values were in specification. Consequently, non-compliance with specification cannot be declared based on the stated coverage probability.
- Failed (F) - One or more measured values of the equipment were observed out of specification at the points tested. Additionally, the expanded measurement uncertainty intervals about one or more measured values were entirely outside the specification.



MU = 95% expanded measurement uncertainty.

() This result is indicated on the measurement report as a blank space in the column labeled "Status" or "Sts".

Note: For more information on the level of risk such as false accept and false reject and statistical assumptions of these statements of conformity, please visit: www.keysight.com/find/decisionrules.

Acceptance Limit

The "Keysight Cal + Uncertainties + Guardbanding" service employs a guard band (GBD) in the amount of the 95% expanded measurement uncertainty (MU). The resulting acceptance limit applied for Pass or Fail decisions, and for performing adjustments, is the difference of the specification and the guard band.

Uncertainty of Measurement

The uncertainty evaluation has been performed in accordance with ISO/IEC Guide 98-3:2008 (GUM). The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95%. This probability corresponds to a coverage factor of k=2 for a normal distribution.



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Certificate Number 1-14166504718-1

Calibration Test Results Summary

| <u>Test Name</u> | <u>As Received Status</u> |
|-------------------------------|---------------------------|
| ZERO OFFSET - FRONT TERMINALS | Passed |
| ZERO OFFSET - REAR TERMINALS | Passed |
| DC VOLTS | Passed |
| AC VOLTS | Passed |
| FREQUENCY | Passed |
| 4-WIRE OHMS | Passed |
| 2-WIRE OHMS MATH NULL ON | Passed |
| 2-WIRE OHMS MATH NULL OFF | Passed |
| DC CURRENT | Passed |
| AC CURRENT | Passed |

Tested Configuration

Firmware Version 11-5-2
(As Rec) 11-5-2

ZERO OFFSET - FRONT TERMINALS

Passed

| TEST CONDITIONS | | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|--------------------------------|--------------|-----------|----------|----------|-----------|--------|
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Front) | | | | | |
| ----- | | | | | | |
| <i>DC Volts Zero Offset</i> | | | | | | |
| 100 mV | 0 V | -3.5 uV | -0.5 uV | 3.5 uV | 1.1 uV | |
| 1 V | 0 V | -7 uV | -1 uV | 7 uV | 1.2 uV | |
| 10 V | 0 V | -0.05 mV | 0.00 mV | 0.05 mV | 6.6 uV | |
| 100 V | 0 V | -0.6 mV | 0.0 mV | 0.6 mV | 0.17 mV | |
| 1000 V | 0 V | -10 mV | 0 mV | 10 mV | 0.74 mV | |
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Front) | | | | | |
| ----- | | | | | | |
| <i>4-Wire Ohms Zero Offset</i> | | | | | | |
| 100 Ω | 0 Ω | -4.0 mΩ | 0.5 mΩ | 4.0 mΩ | 1.2 mΩ | |
| 1 kΩ | 0 Ω | -10 mΩ | 1 mΩ | 10 mΩ | 1.2 mΩ | |
| 10 kΩ | 0 Ω | -0.10 Ω | 0.01 Ω | 0.10 Ω | 0.014 Ω | |
| 100 kΩ | 0 Ω | -1.0 Ω | 0.1 Ω | 1.0 Ω | 0.16 Ω | |
| 1 MΩ | 0 Ω | -10 Ω | 1 Ω | 10 Ω | 0.98 Ω | |
| 10 MΩ | 0 Ω | -0.10 kΩ | 0.00 kΩ | 0.10 kΩ | 0.011 kΩ | |
| 100 MΩ | 0 Ω | -10.0 kΩ | 0.0 kΩ | 10.0 kΩ | 0.058 kΩ | |
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Front) | | | | | |
| ----- | | | | | | |
| <i>2-Wire Ohms Zero Offset</i> | | | | | | |
| 100 Ω | 0 Ω | -204.0 mΩ | -46.2 mΩ | 204.0 mΩ | 6.1 mΩ | |
| 1 kΩ | 0 Ω | -210 mΩ | -46 mΩ | 210 mΩ | 5.8 mΩ | |
| 10 kΩ | 0 Ω | -0.30 Ω | -0.05 Ω | 0.30 Ω | 8.4 mΩ | |
| 100 kΩ | 0 Ω | -1.2 Ω | -0.1 Ω | 1.2 Ω | 0.068 Ω | |
| 1 MΩ | 0 Ω | -10 Ω | 1 Ω | 10 Ω | 1.3 Ω | |
| 10 MΩ | 0 Ω | -0.10 kΩ | 0.00 kΩ | 0.10 kΩ | 0.0097 kΩ | |
| 100 MΩ | 0 Ω | -10.0 kΩ | 0.0 kΩ | 10.0 kΩ | 0.058 kΩ | |
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Front) | | | | | |
| ----- | | | | | | |
| <i>DC Current Zero Offset</i> | | | | | | |
| 10 mA | 0 A | -2.00 uA | 0.08 uA | 2.00 uA | 0.16 uA | |
| 100 mA | 0 A | -5.0 uA | 0.2 uA | 5.0 uA | 0.21 uA | |
| 1 A | 0 A | -100 uA | 6 uA | 100 uA | 7.0 uA | |
| 3 A | 0 A | -600 uA | 8 uA | 600 uA | 11 uA | |

ZERO OFFSET - REAR TERMINALS

Passed

| TEST CONDITIONS | | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|--------------------------------|--------------|-----------|----------|----------|-----------|--------|
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Rear) | | | | | |
| ----- | | | | | | |
| <i>DC Volts Zero Offset</i> | | | | | | |
| 100 mV | 0 V | -3.5 uV | 0.4 uV | 3.5 uV | 1.1 uV | |
| 1 V | 0 V | -7 uV | 0 uV | 7 uV | 1.2 uV | |
| 10 V | 0 V | -0.05 mV | 0.00 mV | 0.05 mV | 6.6 uV | |
| 100 V | 0 V | -0.6 mV | 0.0 mV | 0.6 mV | 0.17 mV | |
| 1000 V | 0 V | -10 mV | 0 mV | 10 mV | 0.74 mV | |
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Rear) | | | | | |
| ----- | | | | | | |
| <i>4-Wire Ohms Zero Offset</i> | | | | | | |
| 100 Ω | 0 Ω | -4.0 mΩ | -0.4 mΩ | 4.0 mΩ | 1.2 mΩ | |
| 1 kΩ | 0 Ω | -10 mΩ | 0 mΩ | 10 mΩ | 1.2 mΩ | |
| 10 kΩ | 0 Ω | -0.10 Ω | 0.00 Ω | 0.10 Ω | 0.014 Ω | |
| 100 kΩ | 0 Ω | -1.0 Ω | -0.1 Ω | 1.0 Ω | 0.16 Ω | |
| 1 MΩ | 0 Ω | -10 Ω | 0 Ω | 10 Ω | 0.98 Ω | |
| 10 MΩ | 0 Ω | -0.10 kΩ | -0.01 kΩ | 0.10 kΩ | 0.011 kΩ | |
| 100 MΩ | 0 Ω | -10.0 kΩ | 0.0 kΩ | 10.0 kΩ | 0.058 kΩ | |
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Rear) | | | | | |
| ----- | | | | | | |
| <i>2-Wire Ohms Zero Offset</i> | | | | | | |
| 100 Ω | 0 Ω | -204.0 mΩ | -20.0 mΩ | 204.0 mΩ | 6.1 mΩ | |
| 1 kΩ | 0 Ω | -210 mΩ | -20 mΩ | 210 mΩ | 5.8 mΩ | |
| 10 kΩ | 0 Ω | -0.30 Ω | -0.02 Ω | 0.30 Ω | 8.4 mΩ | |
| 100 kΩ | 0 Ω | -1.2 Ω | -0.1 Ω | 1.2 Ω | 0.068 Ω | |
| 1 MΩ | 0 Ω | -10 Ω | -1 Ω | 10 Ω | 1.3 Ω | |
| 10 MΩ | 0 Ω | -0.10 kΩ | -0.02 kΩ | 0.10 kΩ | 0.0097 kΩ | |
| 100 MΩ | 0 Ω | -10.0 kΩ | -0.2 kΩ | 10.0 kΩ | 0.058 kΩ | |
| <i>Range</i> | <i>Input</i> | | | | | |
| | (Rear) | | | | | |
| ----- | | | | | | |
| <i>DC Current Zero Offset</i> | | | | | | |
| 10 mA | 0 A | -2.00 uA | -0.07 uA | 2.00 uA | 0.16 uA | |
| 100 mA | 0 A | -5.0 uA | -0.1 uA | 5.0 uA | 0.21 uA | |
| 1 A | 0 A | -100 uA | -4 uA | 100 uA | 7.0 uA | |
| 3 A | 0 A | -600 uA | -1 uA | 600 uA | 11 uA | |

DC VOLTS

Passed

| TEST CONDITIONS | | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|---------------------------|--------|-------------|------------|-------------|------------|--------|
| <i>Range Input(Front)</i> | | | | | | |
| 100 mV | 100 mV | 99.9915 mV | 99.9997 mV | 100.0085 mV | 0.0029 mV | |
| 1 V | 1 V | 0.999953 V | 0.999987 V | 1.000047 V | 0.000070 V | |
| 10 V | 10 V | 9.99960 V | 9.99984 V | 10.00040 V | 0.000043 V | |
| 10 V | -10 V | -10.00040 V | -9.99983 V | -9.99960 V | 0.000041 V | |
| 100 V | 100 V | 99.9949 V | 99.9985 V | 100.0051 V | 0.00058 V | |
| 1000 V | 1000 V | 999.945 V | 999.981 V | 1000.055 V | 0.0084 V | |

AC VOLTS

Passed

| TEST CONDITIONS | | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|--------------------------------|---------|------------|------------|-------------|------------|--------|
| <i>Input Freq. (Front)</i> | | | | | | |
| ----- | | | | | | |
| <i>100 mV Range</i> | | | | | | |
| 10 mV | 1 kHz | 9.9540 mV | 9.9960 mV | 10.0460 mV | 0.0056 mV | |
| 100 mV | 1 kHz | 99.9000 mV | 99.9593 mV | 100.1000 mV | 0.021 mV | |
| 100 mV | 50 kHz | 99.8300 mV | 99.9234 mV | 100.1700 mV | 0.035 mV | |
| <i>Input Freq. (Front)</i> | | | | | | |
| ----- | | | | | | |
| <i>1 V Range</i> | | | | | | |
| 1 V | 20 Hz | 0.999100 V | 0.999491 V | 1.000900 V | 0.00012 V | |
| 1 V | 1 kHz | 0.999100 V | 0.999715 V | 1.000900 V | 0.000063 V | |
| 1 V | 20 kHz | 0.999100 V | 0.999681 V | 1.000900 V | 0.000065 V | |
| 1 V | 50 kHz | 0.998300 V | 0.999622 V | 1.001700 V | 0.00016 V | |
| 1 V | 100 kHz | 0.993200 V | 0.999407 V | 1.006800 V | 0.00030 V | |
| 1 V | 300 kHz | 0.955000 V | 0.996642 V | 1.045000 V | 0.00063 V | |
| <i>Input Freq. (Front)</i> | | | | | | |
| ----- | | | | | | |
| <i>10 V Range</i> | | | | | | |
| 100 mV | 1 kHz | 86.94 mV | 100.46 mV | 113.06 mV | 0.20 mV | |
| 1 V | 1 kHz | 0.99640 V | 0.99956 V | 1.00360 V | 0.00019 V | |
| 10 V | 10 Hz | 9.99100 V | 9.99773 V | 10.00900 V | 0.0029 V | |
| 10 V | 1 kHz | 9.99100 V | 9.99756 V | 10.00900 V | 0.00059 V | |
| 10 V | 50 kHz | 9.98300 V | 9.99484 V | 10.01700 V | 0.0016 V | |
| <i>Input Freq. (Front)</i> | | | | | | |
| ----- | | | | | | |
| <i>100 V Range</i> | | | | | | |
| 100 V | 1 kHz | 99.9100 V | 99.9483 V | 100.0900 V | 0.0079 V | |

Model 34401A Serial US36131155 Firmware Rev 11-5-2
Options Tested

 Test Date 8 Mar 2021
 Condition As Received

AC VOLTS (cont.)

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|-----------------|-----------|-----------|------------|---------|--------|
| 100 V 50 kHz | 99.8300 V | 99.9781 V | 100.1700 V | 0.015 V | |

Input Freq.
(Front)

750 V Range

| | | | | | |
|-----------------|-----------|-----------|-----------|---------|--|
| 700 V 1 kHz | 699.355 V | 699.667 V | 700.645 V | 0.073 V | |
| 700 V 50 kHz | 698.785 V | 699.644 V | 701.215 V | 0.45 V | |
| 700 V 45 Hz | 699.355 V | 699.553 V | 700.645 V | 0.12 V | |

FREQUENCY

Passed

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|-----------------|---------|----------|---------|---------|--------|
|-----------------|---------|----------|---------|---------|--------|

Input Freq.
(Front)

100 mV Range

| | | | | | |
|-----------------|------------|-------------|-------------|-----------|--|
| 10 mV 100 Hz | 99.9000 Hz | 100.0016 Hz | 100.1000 Hz | 0.0048 Hz | |
|-----------------|------------|-------------|-------------|-----------|--|

1 V Range

| | | | | | |
|----------------|-------------|--------------|--------------|-------------|--|
| 1 V 100 kHz | 99.9900 kHz | 100.0000 kHz | 100.0100 kHz | 0.00065 kHz | |
|----------------|-------------|--------------|--------------|-------------|--|

4-WIRE OHMS

Passed

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|-----------------|---------|----------|---------|---------|--------|
|-----------------|---------|----------|---------|---------|--------|

4-Wire Ohms
Range Input(Front)

| | | | | | |
|------------------|-------------|-------------|-------------|-------------|--|
| 100 Ω 100 Ω | 99.9860 Ω | 100.0045 Ω | 100.0140 Ω | 0.0028 Ω | |
| 1 kΩ 1 kΩ | 0.999890 kΩ | 1.000023 kΩ | 1.000110 kΩ | 0.000012 kΩ | |
| 10 kΩ 10 kΩ | 9.99890 kΩ | 10.00020 kΩ | 10.00110 kΩ | 0.00011 kΩ | |
| 100 kΩ 100 kΩ | 99.9890 kΩ | 100.0015 kΩ | 100.0110 kΩ | 0.0014 kΩ | |
| 1 MΩ 1 MΩ | 0.999890 MΩ | 1.000006 MΩ | 1.000110 MΩ | 0.000022 MΩ | |
| 10 MΩ 10 MΩ | 9.99590 MΩ | 9.99950 MΩ | 10.00410 MΩ | 0.00043 MΩ | |
| 100 MΩ 100 MΩ | 99.1900 MΩ | 100.6144 MΩ | 100.8100 MΩ | 0.14 MΩ | |

2-WIRE OHMS MATH NULL ON

Passed

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|-----------------|---------|----------|---------|---------|--------|
|-----------------|---------|----------|---------|---------|--------|

2-Wire Ohms Math Null ON
Range Input(Front)

| | | | | | |
|------------------|-------------|-------------|-------------|--------------|--|
| 100 Ω 100 Ω | 99.9860 Ω | 100.0043 Ω | 100.0140 Ω | 0.0028 Ω | |
| 1 kΩ 1 kΩ | 0.999890 kΩ | 1.000021 kΩ | 1.000110 kΩ | 0.0000095 kΩ | |
| 10 kΩ 10 kΩ | 9.99890 kΩ | 10.00016 kΩ | 10.00110 kΩ | 0.00018 kΩ | |
| 100 kΩ 100 kΩ | 99.9890 kΩ | 100.0016 kΩ | 100.0110 kΩ | 0.0012 kΩ | |
| 1 MΩ 1 MΩ | 0.999890 MΩ | 1.000007 MΩ | 1.000110 MΩ | 0.000021 MΩ | |

Model 34401A Serial US36131155 Firmware Rev 11-5-2
Options Tested

 Test Date 8 Mar 2021
 Condition As Received

2-WIRE OHMS MATH NULL ON (cont.)

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|-----------------|------------|-------------|-------------|------------|--------|
| 10 MΩ 10 MΩ | 9.99590 MΩ | 9.99960 MΩ | 10.00410 MΩ | 0.00044 MΩ | |
| 100 MΩ 100 MΩ | 99.1900 MΩ | 100.5710 MΩ | 100.8100 MΩ | 0.13 MΩ | |

2-WIRE OHMS MATH NULL OFF

Passed

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|----------------------------------|-------------|-------------|-------------|-------------|--------|
| <i>2-Wire Ohms Math Null OFF</i> | | | | | |
| <i>Range Input(Front)</i> | | | | | |
| 100 Ω 100 Ω | 99.7860 Ω | 100.0104 Ω | 100.2140 Ω | 0.021 Ω | |
| 1 kΩ 1 kΩ | 0.999690 kΩ | 1.000027 kΩ | 1.000310 kΩ | 0.000028 kΩ | |
| 10 kΩ 10 kΩ | 9.99870 kΩ | 10.00017 kΩ | 10.00130 kΩ | 0.00016 kΩ | |
| 100 kΩ 100 kΩ | 99.9888 kΩ | 100.0016 kΩ | 100.0112 kΩ | 0.0012 kΩ | |
| 1 MΩ 1 MΩ | 0.999890 MΩ | 1.000008 MΩ | 1.000110 MΩ | 0.000021 MΩ | |
| 10 MΩ 10 MΩ | 9.99590 MΩ | 9.99956 MΩ | 10.00410 MΩ | 0.00043 MΩ | |
| 100 MΩ 100 MΩ | 99.1900 MΩ | 100.5489 MΩ | 100.8100 MΩ | 0.13 MΩ | |

DC CURRENT

Passed

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|---------------------------|------------|------------|-------------|------------|--------|
| <i>Range Input(Front)</i> | | | | | |
| 10 mA 10 mA | 9.99300 mA | 9.99982 mA | 10.00700 mA | 0.00042 mA | |
| 100 mA 100 mA | 99.9450 mA | 99.9971 mA | 100.0550 mA | 0.0054 mA | |
| 1 A 1 A | 0.998900 A | 0.999998 A | 1.001100 A | 0.000097 A | |
| 3 A 2 A | 1.99700 A | 2.00002 A | 2.00300 A | 0.00026 A | |

AC CURRENT

Passed

| TEST CONDITIONS | MINIMUM | MEASURED | MAXIMUM | UNCERT. | Status |
|----------------------------|------------|------------|------------|-----------|--------|
| <i>Input Freq. (Front)</i> | | | | | |
| ----- | | | | | |
| <i>1 Amp Range</i> | | | | | |
| 10 mA 1 kHz | 8.590 mA | 9.938 mA | 11.410 mA | 0.032 mA | |
| 1 A 1 kHz | 0.998600 A | 0.999755 A | 1.001400 A | 0.00033 A | |
| <i>3 Amp Range</i> | | | | | |
| 2 A 1 kHz | 1.99520 A | 1.99886 A | 2.00480 A | 0.00065 A | |