



Certificate Of Calibration

Certificate No: 34420AMY42009521

Manufacturer: Keysight Technologies
Model No: 34420A
Options Installed With Specifications: N/A

Description: Nano Volt/Micro Ohm Meter
Serial No: MY42009521

Date of Calibration: 18 May 2020
Temperature: (23±5) deg. C
Procedure: VM_34420AF/ 236424121913

Humidity: (20 to 80)% RH

This certifies that the equipment has been calibrated using applicable Keysight Technologies procedures in compliance with a quality management system registered to ISO 9001:2015.

As Received Conditions: Factory tested. No incoming data available.

Action Taken: No corrective actions were necessary.

As Shipped Conditions: At the completion of the calibration, measured values were IN SPECIFICATION at the points tested.

Remarks or special requirements:

Notes:

- 1) This calibration report shall not be reproduced, except in full.

Traceability Information: 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	<i>Date Used: Date equipment used in this Calibration</i>		
		Equipment ID	Date Used	Cal Due Date
3458A	Multimeter	MY45044532	18 May 2020	15 MAY 2021
5720A	Fluke Calibrator	6125305	18 May 2020	15 MAY 2021
5725A	Fluke Amplifier	5235014	18 May 2020	15 MAY 2021

Print Date: 18-May-20



Tay Eng Su
Quality Manager

Keysight Technologies

	DD	MM	YY	BY:
CAL:	18	05	20	R.S.
DUE				

TEST REPORT

TEST DESCRIPTION	READING	ERROR	1 YEAR SPEC
NOISE 2 MIN PK-TO-PK at 1mV	0.00E+00		8nVpp
NOISE 2 MIN PK-TO-PK at 10mV	0.00E+00		10nVpp
NOISE 2 MIN PK-TO-PK at 100mV	0.00E+00		65nVpp
NOISE 2 MIN PK-TO-PK at 1V	0.00E+00		650nVpp
NOISE 2 MIN PK-TO-PK at 10V	0.00E+00		3uVpp
NOISE 2 MIN PK-TO-PK(CH2) at 1mV	0.00E+00		8nVpp
DCV CHANNEL 1 +1mV on 1mV Range	0.0010000	+0.0016%	+/-0.0070%
DCV CHANNEL 1 +10mV on 10mV Range	0.0100000	+0.0001%	+/-0.0053%
DCV CHANNEL 1 +100mV on 100mV Range	0.0999999	-0.0001%	+/-0.0044%
DCV CHANNEL 1 +1V on 1V Range	0.9999999	+0.0000%	+/-0.0039%
DCV CHANNEL 1 +10V on 10V Range	10.0000000	+0.0000%	+/-0.0034%
DCV CHANNEL 1 -10V on 10V Range	-10.0000000	+0.0000%	+/-0.0034%
DCV CHANNEL 1 +100V on 100V Range	100.00001	+0.0000%	+/-0.0040%
DCV CHANNEL 2 +1mV on 1mV Range	0.0010000	+0.0021%	+/-0.0070%
DCV CHANNEL 2 +10mV on 10mV Range	0.0100000	+0.0000%	+/-0.0053%
DCV CHANNEL 2 +100mV on 100mV Range	0.1000000	+0.0000%	+/-0.0044%
DCV CHANNEL 2 +1V on 1V Range	1.0000004	+0.0000%	+/-0.0039%
DCV CHANNEL 2 +10V on 10V Range	10.000001	+0.0000%	+/-0.0034%
4W OHMS 1OHMS on 1OHMS Range	0.9999998	+0.0000%	+/-0.0072%
4W OHMS 10OHMS on 10OHMS Range	9.9999983	+0.0000%	+/-0.0062%
4W OHMS 100OHMS on 100OHMS Range	100.00001	+0.0000%	+/-0.0062%
4W OHMS 1KOHMS on 1KOHMS Range	1000.0001	+0.0000%	+/-0.0062%
4W OHMS 10KOHMS on 10KOHMS Range	9999.9975	+0.0000%	+/-0.0062%
4W OHMS 100KOHMS on 100KOHMS Range	100000.04	+0.0000%	+/-0.0064%
4W OHMS 1MOHMS on 1MOHMS Range	999999.04	-0.0001%	+/-0.0074%
4W OHMS LO POWER 1OHM Full Scale	1.0000000	+0.0000%	+/-0.0072%
4W OHMS LO POWER 10OHM Full Scale	10.0000003	+0.0000%	+/-0.0062%
4W OHMS LO POWER 100OHM Full Scale	100.000002	+0.0000%	+/-0.0062%
4W OHMS LO POWER 1KOHM Full Scale	1000.0003	+0.0000%	+/-0.0062%
4W OHMS LO POWER 10KOHM Full Scale	10000.006	+0.0001%	+/-0.0064%
4W OHMS LO POWER 100KOHM Full Scale	100000.07	+0.0001%	+/-0.0075%
4W OHMS LO VOLTAGE 10OHM Full Scale	9.9999970	+0.0000%	+/-0.0072%
4W OHMS LO VOLTAGE 100OHM Full Scale	100.00013	+0.0001%	+/-0.0072%