KEYSIGHT TECHNOLOGIES

Keysight Technologies Malaysia Sdn Bhd (463532-M)
Bayan Lepas Free Industrial Zone
11900 Penang
Malaysia

5962-0476

Certificate Of Calibration

Certificate No: 34420AMY42009518

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

Description: Nano Volt/Micro Ohm Meter
Serial No: MY42009518

Date of Calibration: 3 Jun 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:

Date Used: Date equipment used in this Calibration

Model Number	Model Description	Equipment ID	Date Used	Cal Due Date
3458A	Multimeter	MY45044532	3 Jun 2020	15 MAY 2021
5720A	Fluke Calibrator	6125305	3 Jun 2020	15 MAY 2021
5725A	Fluke Amplifier	5235014	3 Jun 2020	15 MAY 2021

Print Date: 05-Jun-20

Tay Eng Su
Quality Manager

Keysight Technologies

	DD	MM	YY	BY:
CAL	3	06	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	+0.0014%	+/-0.0070%
DCV CHANNEL 1 +10mV on 10mV Range	0.0099999	-0.0010%	+/-0.0053%
DCV CHANNEL 1 +100mV on 100mV Range	0.0999999	-0.0001%	+/-0.0044%
DCV CHANNEL 1 +1V on 1V Range	1.0000000	+0.0000%	+/-0.0039%
DCV CHANNEL 1 +10V on 10V Range	9.9999983	+0.0000%	+/-0.0034%
DCV CHANNEL 1 -10V on 10V Range	-9.9999975	+0.0000%	+/-0.0034%
DCV CHANNEL 1 +100V on 100V Range	99.999978	+0.0000%	+/-0.0040%
DCV CHANNEL 2 +1mV on 1mV Range	0.0010000	+0.0006%	+/-0.0070%
DCV CHANNEL 2 +10mV on 10mV Range	0.0099999	-0.0010%	+/-0.0053%
DCV CHANNEL 2 +100mV on 100mV Range	0.1000000	+0.0000%	+/-0.0044%
DCV CHANNEL 2 +1V on 1V Range	1.0000003	+0.0000%	+/-0.0039%
DCV CHANNEL 2 +10V on 10V Range	9.9999997	+0.0000%	+/-0.0034%
4W OHMS 1OHMS on 1OHMS Range	1.0000001	+0.0000%	+/-0.0072%
4W OHMS 10OHMS on 10OHMS Range	10.000004	+0.0000%	+/-0.0062%
4W OHMS 100OHMS on 100OHMS Range	99.999999	+0.0000%	+/-0.0062%
4W OHMS 1KOHMS on 1KOHMS Range	999.99968	+0.0000%	+/-0.0062%
4W OHMS 10KOHMS on 10KOHMS Range	10000.000	+0.0000%	+/-0.0062%
4W OHMS 100KOHMS on 100KOHMS Range	100000.01	+0.0000%	+/-0.0064%
4W OHMS 1MOHMS on 1MOHMS Range	999997.84	-0.0002%	+/-0.0074%
4W OHMS LO POWER 1OHM Full Scale	0.9999992	-0.0001%	+/-0.0072%
4W OHMS LO POWER 10OHM Full Scale	10.000001	+0.0000%	+/-0.0062%
4W OHMS LO POWER 100OHM Full Scale	100.00002	+0.0000%	+/-0.0062%
4W OHMS LO POWER 1KOHM Full Scale	999.99992	+0.0000%	+/-0.0062%
4W OHMS LO POWER 10KOHM Full Scale	10000.003	+0.0000%	+/-0.0064%
4W OHMS LO POWER 100KOHM Full Scale	99999.946	-0.0001%	+/-0.0075%
4W OHMS LO VOLTAGE 10OHM Full Scale	9.9999889	-0.0001%	+/-0.0072%
4W OHMS LO VOLTAGE 100OHM Full Scale	100.00007	+0.0001%	+/-0.0072%