



Keysight Technologies Malaysia Sdn Bhd (463532-M)

Bayan Lepas Free Industrial Zone
1900 Penang
Malaysia



5962-0476

Keysight Approved Calibration Provider #71456

Certificate Of Calibration

Certificate No: U1272AMY60230016

Manufacturer: Keysight Technologies

Model No: U1272A

Options Installed With Specifications: N/A

Description: U1272A Handheld Digital Multimeter

Serial No: MY60230016

Date of Calibration: 02-Jul-2020

Temperature: (23±5) °C

Humidity: (50 to 80)% RH

Procedure: AE-P-W13027

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 Condition: 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: For inquiries regarding this calibration please contact Keysight Technologies at the above address.

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	Equipment ID	Date Used	Cal Due Date
Fluke 5522A	Multifunction Calibrator	PA0112	02-Jul-2020	17-Sep-2020

Print Date: 02-Jul-2020

Khairul Razmi Bin Zayzan
Quality Manager
Keysight Calibration Provider #71456

Keysight Provider #71456				
DD	MM	YY	BY	
CAL	02	07	20	EK
DUE				



UK6 Measurement Report

Certificate No: U1272AMY60230016

Test Date: 02-Jul-2020

Model: U1272A

Serial Number: MY60230016

TEST DESCRIPTION	READING	ERROR	1 YEAR SPEC
ACV 3V 20Hz on 3V Range	+2.9868	-0.4417%	+/-1.0833%
ACV 3V 45Hz on 3V Range	+2.9983	-0.0553%	+/-0.6667%
ACV 3V 65Hz on 3V Range	+3.0001	+0.0023%	+/-0.6667%
ACV 3V 1kHz on 3V Range	+3.0094	+0.3130%	+/-1.0833%
ACV 3V 5kHz on 3V Range	+3.0064	+0.2137%	+/-1.5833%
ACV 3V 20kHz on 3V Range	+3.0103	+0.3423%	+/-2.1333%
ACV 2.7V 100kHz on 3V Range	+2.7281	+1.0419%	+/-3.6481%
ACV 30V 20Hz on 30V Range	+29.869	-0.4370%	+/-1.0833%
ACV 30V 45Hz on 30V Range	+29.983	-0.0580%	+/-0.6667%
ACV 30V 65Hz on 30V Range	+30.000	-0.0007%	+/-0.6667%
ACV 30V 1kHz on 30V Range	+30.005	+0.0173%	+/-1.0833%
ACV 30V 5kHz on 30V Range	+29.990	-0.0340%	+/-1.5833%
ACV 30V 20kHz on 30V Range	+30.048	+0.1613%	+/-2.1333%
ACV 27V 100kHz on 30V Range	+27.224	+0.8296%	+/-3.6481%
ACV 300V 45Hz on 300V Range	+299.77	-0.0757%	+/-0.6667%
ACV 300V 65Hz on 300V Range	+299.97	-0.0087%	+/-0.6667%
ACV 300V 1kHz on 300V Range	+299.97	-0.0117%	+/-1.0833%
ACV 300V 5kHz on 300V Range	+299.72	-0.0930%	+/-1.5833%
ACV 270V 20kHz on 300V Range	+270.21	+0.0767%	+/-2.1481%
ACV 1000V 45Hz on 1000V Range	+1000.1	+0.0090%	+/-0.8000%
ACV 1000V 65Hz on 1000V Range	+1000.6	+0.0570%	+/-0.8000%
ACV 1000V 1kHz on 1000V Range	+1000.0	+0.0000%	+/-1.2500%
ACV 1000V 5kHz on 1000V Range	+1002.0	+0.2030%	+/-1.7500%
ACV-LPF 3V 20Hz on 3V Range	+2.9857	-0.4753%	+/-1.0833%
ACV-LPF 3V 45Hz on 3V Range	+2.9959	-0.1370%	+/-0.6667%
ACV-LPF 3V 65Hz on 3V Range	+2.9962	-0.1273%	+/-0.6667%
ACV-LPF 2.7V 430Hz on 3V Range	+2.6152	-3.1422%	+/-5.0926%
ACV-Freq 1kHz 0.096V on 9.999kHz Range	+1.0000	+0.0010%	+/-0.0550%
AC-DUTY 50V 0.1kHz on 3V Range	+050.01	+0.0120%	+/-0.6000%
ACmV 30mV 20Hz on 30mV Range	+29.863	-0.4583%	+/-0.7833%
ACmV 30mV 45Hz on 30mV Range	+29.982	-0.0617%	+/-0.6667%
ACmV 30mV 65Hz on 30mV Range	+29.999	-0.0020%	+/-0.6667%
ACmV 30mV 1kHz on 30mV Range	+30.020	+0.0663%	+/-0.7833%
ACmV 30mV 5kHz on 30mV Range	+30.013	+0.0423%	+/-1.0833%
ACmV 30mV 20kHz on 30mV Range	+29.999	-0.0047%	+/-1.1333%
ACmV 30mV 100kHz on 30mV Range	+30.241	+0.8020%	+/-3.6333%
ACmV 300mV 20Hz on 300mV Range	+298.67	-0.4443%	+/-0.7833%
ACmV 300mV 45Hz on 300mV Range	+299.81	-0.0640%	+/-0.6667%
ACmV 300mV 65Hz on 300mV Range	+299.99	-0.0030%	+/-0.6667%
ACmV 300mV 1kHz on 300mV Range	+300.23	+0.0780%	+/-0.7833%
ACmV 300mV 5kHz on 300mV Range	+300.33	+0.1113%	+/-1.0833%



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UK6 Measurement Report

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Test Date: 02-Jul-2020

Model: U1272A

Serial Number: MY60230016

TEST DESCRIPTION	READING	ERROR	1 YEAR SPEC
ACmV 300mV 20kHz on 300mV Range	+300.30	+0.0987%	+/-1.1333%
ACmV 300mV 100kHz on 300mV Range	+300.38	+0.1267%	+/-3.6333%
DCV 3V 0Hz on 3V Range	+2.9995	-0.0167%	+/-0.0667%
DCV 30V 0Hz on 30V Range	+29.999	-0.0027%	+/-0.0567%
DCV 300V 0Hz on 300V Range	+299.99	-0.0023%	+/-0.0567%
DCV 1000V 0Hz on 1000V Range	+1000.0	-0.0050%	+/-0.0700%
ACDCV 3V 20Hz on 3V Range	+2.9878	-0.4083%	+/-1.2000%
ACDCV 3V 45Hz on 3V Range	+2.9987	-0.0427%	+/-0.7833%
ACDCV 3V 65Hz on 3V Range	+3.0010	+0.0330%	+/-0.7833%
ACDCV 3V 1kHz on 3V Range	+3.0104	+0.3463%	+/-1.2000%
ACDCV 3V 5kHz on 3V Range	+3.0070	+0.2320%	+/-1.7000%
ACDCV 3V 20kHz on 3V Range	+3.0110	+0.3667%	+/-2.2500%
ACDCV 2.7V 100kHz on 3V Range	+2.7289	+1.0700%	+/-3.7667%
ACDCV 30V 20Hz on 30V Range	+29.875	-0.4177%	+/-1.2000%
ACDCV 30V 45Hz on 30V Range	+29.985	-0.0497%	+/-0.7833%
ACDCV 30V 65Hz on 30V Range	+30.008	+0.0270%	+/-0.7833%
ACDCV 30V 1kHz on 30V Range	+30.014	+0.0470%	+/-1.2000%
ACDCV 30V 5kHz on 30V Range	+29.997	-0.0117%	+/-1.7000%
ACDCV 30V 20kHz on 30V Range	+30.056	+0.1880%	+/-2.2500%
ACDCV 27V 100kHz on 30V Range	+27.228	+0.8459%	+/-3.7667%
ACDCV 300V 45Hz on 300V Range	+299.84	-0.0520%	+/-0.7833%
ACDCV 300V 65Hz on 300V Range	+300.12	+0.0413%	+/-0.7833%
ACDCV 300V 1kHz on 300V Range	+300.07	+0.0230%	+/-1.2000%
ACDCV 300V 5kHz on 300V Range	+299.82	-0.0617%	+/-1.7000%
ACDCV 270V 20kHz on 300V Range	+270.31	+0.1148%	+/-2.2667%
ACDCV 1000V 45Hz on 1000V Range	+1000.2	+0.0220%	+/-0.9500%
ACDCV 1000V 65Hz on 1000V Range	+1001.0	+0.0980%	+/-0.9500%
ACDCV 1000V 1kHz on 1000V Range	+1000.0	+0.0000%	+/-1.4000%
ACDCV 1000V 5kHz on 1000V Range	+1002.3	+0.2340%	+/-1.9000%
DCmV 30mV 0Hz on 30mV Range	+29.999	-0.0050%	+/-0.1167%
DCmV -30mV 0Hz on 30mV Range	-29.997	-0.0117%	+/-0.1167%
DCmV 300mV 0Hz on 300mV Range	+300.00	-0.0017%	+/-0.0667%
DCmV -300mV 0Hz on 300mV Range	-299.98	-0.0067%	+/-0.0667%
ACDCmV 30mV 20Hz on 30mV Range	+29.887	-0.3760%	+/-0.9500%
ACDCmV 30mV 45Hz on 30mV Range	+30.010	+0.0337%	+/-0.8333%
ACDCmV 30mV 65Hz on 30mV Range	+30.032	+0.1067%	+/-0.8333%
ACDCmV 30mV 1kHz on 30mV Range	+30.054	+0.1793%	+/-0.9500%
ACDCmV 30mV 5kHz on 30mV Range	+30.046	+0.1543%	+/-1.2500%
ACDCmV 30mV 20kHz on 30mV Range	+30.033	+0.1093%	+/-1.3000%
ACDCmV 30mV 100kHz on 30mV Range	+30.272	+0.9060%	+/-3.8000%
ACDCmV 300mV 20Hz on 300mV Range	+299.07	-0.3087%	+/-0.9000%



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Model: U1272A

Serial Number: MY60230016

TEST DESCRIPTION	READING	ERROR	1 YEAR SPEC
ACDCmV 300mV 45Hz on 300mV Range	+300.12	+0.0410%	+/-0.7833%
ACDCmV 300mV 65Hz on 300mV Range	+300.30	+0.1010%	+/-0.7833%
ACDCmV 300mV 1kHz on 300mV Range	+300.57	+0.1893%	+/-0.9000%
ACDCmV 300mV 5kHz on 300mV Range	+300.63	+0.2090%	+/-1.2000%
ACDCmV 300mV 20kHz on 300mV Range	+300.65	+0.2167%	+/-1.2500%
ACDCmV 300mV 100kHz on 300mV Range	+300.70	+0.2317%	+/-3.7500%
OHM 30ohm on 30ohm Range	+30.001	+0.0047%	+/-0.2333%
OHM 300ohm on 300ohm Range	+300.01	+0.0037%	+/-0.2167%
OHM 3kohm on 3kohm Range	+3.0002	+0.0077%	+/-0.2167%
OHM 30kohm on 30kohm Range	+30.002	+0.0077%	+/-0.2167%
OHM 300kohm on 300kohm Range	+300.00	+0.0010%	+/-0.2167%
OHM 3Mohm on 3Mohm Range	+2.9982	-0.0600%	+/-0.6167%
OHM 30Mohm on 30Mohm Range	+29.967	-0.1103%	+/-1.2167%
OHM 100Mohm on 300Mohm Range	+100.02	+0.0210%	+/-2.1000%
DIODE 3V on 3V Range	+2.9998	-0.0057%	+/-0.5167%
Cx 10nF on 10nF Range	+10.003	+0.0330%	+/-1.0500%
Cx 100nF on 100nF Range	+100.02	+0.0210%	+/-1.0500%
Cx 1000nF on 1000nF Range	+1000.0	-0.0030%	+/-1.0200%
Cx 10uF on 10uF Range	+09.999	-0.0140%	+/-1.0200%
Cx 100uF on 100uF Range	+099.99	-0.0060%	+/-1.0200%
Cx 1000uF on 1000uF Range	+1000.2	+0.0220%	+/-1.0200%
Cx 10mF on 10mF Range	+10.004	+0.0360%	+/-1.0200%
DC-Zlow 3V 0Hz on 1000V Range	+0003.0	-1.0000%	+/-67.667%
DCuA 300uA 0Hz on 300uA Range	+300.03	+0.0083%	+/-0.2167%
DCuA 3000uA 0Hz on 3000uA Range	+3000.0	-0.0017%	+/-0.2167%
ACuA 300uA 20Hz on 300uA Range	+298.57	-0.4777%	+/-0.9833%
ACuA 300uA 45Hz on 300uA Range	+299.79	-0.0700%	+/-0.6833%
ACuA 300uA 65Hz on 300uA Range	+299.99	-0.0047%	+/-0.6833%
ACuA 300uA 1kHz on 300uA Range	+300.26	+0.0850%	+/-0.9833%
ACuA 3000uA 20Hz on 3000uA Range	+2986.4	-0.4533%	+/-0.9833%
ACuA 3000uA 45Hz on 3000uA Range	+2998.0	-0.0653%	+/-0.6833%
ACuA 3000uA 65Hz on 3000uA Range	+2999.9	-0.0050%	+/-0.6833%
ACuA 3000uA 1kHz on 3000uA Range	+3002.4	+0.0807%	+/-0.9833%
DCmA 30mA 0Hz on 30mA Range	+30.003	+0.0097%	+/-0.2167%
DCmA 300mA 0Hz on 300mA Range	+300.00	-0.0003%	+/-0.2167%
ACmA 30mA 20Hz on 30mA Range	+29.869	-0.4373%	+/-0.9833%
ACmA 30mA 45Hz on 30mA Range	+29.983	-0.0567%	+/-0.6833%
ACmA 30mA 65Hz on 30mA Range	+30.001	+0.0037%	+/-0.6833%
ACmA 30mA 1kHz on 30mA Range	+30.021	+0.0683%	+/-0.9833%
ACmA 300mA 20Hz on 300mA Range	+298.74	-0.4190%	+/-0.9833%
ACmA 300mA 45Hz on 300mA Range	+299.85	-0.0517%	+/-0.6833%



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Model: U1272A

Serial Number: MY60230016

TEST DESCRIPTION	READING	ERROR	1 YEAR SPEC
ACmA 300mA 65Hz on 300mA Range	+300.02	+0.0073%	+/-0.6833%
ACmA 300mA 1kHz on 300mA Range	+300.26	+0.0867%	+/-0.9833%
DCA 3A 0Hz on 3A Range	+3.0005	+0.0180%	+/-0.3333%
DCA 10A 0Hz on 10A Range	+10.000	-0.0050%	+/-0.4000%
ACA 3A 45Hz on 3A Range	+2.9993	-0.0220%	+/-0.8833%
ACA 3A 65Hz on 3A Range	+3.0012	+0.0383%	+/-0.8833%
ACA 3A 1kHz on 3A Range	+3.0026	+0.0867%	+/-1.0833%
ACA 10A 45Hz on 10A Range	+09.994	-0.0570%	+/-1.0500%
ACA 10A 65Hz on 10A Range	+10.000	-0.0040%	+/-1.0500%
ACA 10A 1kHz on 10A Range	+10.007	+0.0660%	+/-1.2500%
TEMP -200deg C on 1372deg C Range	-0199.5	-0.2300%	+/-1.5000%
TEMP 1372deg C on 1372deg C Range	+1372.9	+0.0671%	+/-1.0729%
TEMP 0CEL on 1372deg C Range	+0000.0	+0deg C	+/-0001.0deg C