EECS

Electrical Equipment Calibration Services 1700 Wyatt Drive STE. 1 San Jose, CA. 95054 Ph#: 510-651-5112

CERTIFICATE OF CALIBRATION

Prepared For:

WATERRECLAIM COMPANY

ATTN: RUSS KELLER 1129 HIDDEN HILL DRIVE

WAKE FOREST,

NC

27587

INSTRUMENT INFORMATION

04/01/2023

Inst. Descrip.: DMM,

Manufacturer: AGILENT

Model: 3458A

Serial No.: MY45042794

Cust. ID. No.: N/A

Accuracy: MM

Calibration Site: In Shop

Date Received: 03/29/2022

Date of Cal.: 04/01/2022

Next Cal. Due:

Proc.: MM

Calibration Result: Passed

As Received

As Left

Traceability/Job No: F30554

Non-Operational

In Tolerance Operational

Full Calibration

Remarks:

REPLACED INPUT CONNECTORS, AND CALIBRATED.

STANDARDS USED

ID. No.	Model No.	Manufacturer	Description	Cal Date	Due Date	Uncertainty
FRES226	3458A	AGILENT	DIGITAL MULTIME	01/20/2022	01/20/2023	MM
FRES080	732A	FLUKE	STANDARD, DC RE	11/01/2021	11/01/2022	.5 PPM
FRES020	742A-10K	FLUKE	RESISTANCE STAN	02/20/2022	02/20/2023	MM
FRES405	5500A	FLUKE	CALIBRATOR MULI	02/25/2022	02/25/2023	5 PPM VDC

TEST ROOM ENVIRONMENT

Temperature: 23.0C / 73.4 F

Relative Humidity: 40.0 %

Barometric Pressure: N/A in. Hg

E E C S certifies that the above listed instrument meets or exceeds all published specifications. It has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology. Alternatively, accuracies have been derived from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques. This certificate may be reproduced in full. Partial reproduction may be done only with written prior consent of E E C S. All calibration activities are performed in compliance with ANSI/NCSL Z540-1, and MIL-STD-45662A.

Measurements certified by:

Date: 4/1/22

FORM P370-18 JULY 97

Page 1 of 1

ELECTRICAL EQUIPMENT CALIBRATION SERVICES 1700 WYATT DRIVE SUITE 1 SAN JOSE, CA 95054 REPORT OF CALIBRATION

CALIBRATION REPORT NUMBER: 30554 TEST DATE: 04/01/2022

UNIT UNDER TEST : AGILENT 3458A SERIAL NUMBER : MY45042794 CUST. ID. NUMBER : MY45042794

CUSTOMER NAME : WATERRECLAIM COMPANY
CUSTOMER ADDRESS : 1129 HIDDEN HILL DRIVE
CUSTOMER CITY, STATE : WAKE FOREST, NC. 27587

CUSTOMER P.O.# : N/A
PROCEDURE NAME : MM
PROCEDURE REVISION : NONE

DATA TYPE : OUTGOING DATA TEST RESULT : PASS

FAILED TESTS : NONE
CALIBRATED BY : TONG
TEMPERATURE : 23 °C
RELATIVE HUMIDITY : 40 %

The Electrical Equipment Calibration Services Corporation certifies that the above listed instrument meets or exceeds all published specifications (unless otherwise noted). It has been calibrated using measurement standards that are traceable to the National Institute of Standards and Technology (NIST), or to NIST accepted intrinsic standards of measurement. Alternatively TraceAbility may be achieved from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques.

This calibration complies with MIL-STD-45662A and ANSI/NCSL Z540-1-1994. This report applies only to the item identified above and shall not be reproduced, except in full, without specific written approval of Electrical Equipment Calibration Services.

NOTE: Any Test Uncertainty Ratio (TUR) that is less than four to one will appear under the "TUR" heading on the data record. If the TUR meets or exceeds four to one, the field is left blank.

STANDARDS USED:

Instrument Model	Asset Number	Cal Date	Due Date
FLUKE 5500A	F 405	02/22/2022	02/25/2023
FLUKE 732A	F 080	11/01/2021	11/01/2022
FLUKE 732A-10K	F 020	02/20/2022	02/20/2023
AGILENT 3458A	F 226	01/20/2022	01/20/2023
DEMADE C.			

Metrology Technician

1 of 3

ELECTRICAL EQUIPMENT CALIBRATION SERVICES

CALIBRATION REPORT NUMBER: 30554

UNIT UNDER TEST: AGILENT 3458A SERIAL NUMBER: MY45042794

TEST DATE: 04/01/2022

	OUTGOING	ACCEPTANCE LIMITS		
PARAMETER	DATA	LOW	HIGH	TUR
SELF-TEST		PASS		
ZERO OFFSET TESTS	(FRONT INPUT)	1710707		
DC. Voltage Tests	(Short)			
100mV. Range	-0.00008	-0.00160mV.	0.00160mV.	
1.00V. Range	-0.0000005	-0.000100MV.	-0.0000106V.	
10.0V. Range	0.00000002	-0.0000023V.	0.0000023V.	
100.0V. Range	0.00000012	-0.000036V.	0.000036V.	
L000.0V. Range	0.00002	-0.00013V.	0.000030V.	
4 Wires Ohms 7		0.000137.	0.000134.	
_100hm Range	0.00002	-0.000500hm	0.000500hm	
1000hm Range	0.00015	-0.000500hm	0.000500hm	
1.0KOhm Range	0.000001	-0.0003050hm	0.0003001ml	
10.0KOhm Range	0.000001	-0.0000050hm		
			0.000050hm	
100.0KOhm Range	0.000001	-0.000050hm	0.000050hm	
1.0MOhm Range	0.0000001	-0.00000200hm	0.00000200hm	
10.0MOhm Range	0.000001	-0.0001000hm	0.0001000hm	
100.0MOhm Range	0.00000	-0.000100hm	0.000100hm	
1.0Gohm Range	0.0000000	-0.00000050hm.	0.00000060hm.	
DC. Current Test				
100nA. Range	0.002	0.040nA.	0.040nA.	
1.0uA. Range	0.000001	-0.000400uA.	0.000400uA.	
10.0uA. Range	0.000006	-0.000100uA.	0.000100uA	
100.0uA. Range	0.00018	-0.00100uA.	0.00100uA.	
1.0mA. Range	0.0000008	-0.0000050mA.	0.0000050mA.	
10.0mA. Range	0.000008	-0.000050mA.	0.000050mA.	
100.0mA. Range	0.000021	-0.00050mA.	0.00050mA.	
1.0A. Range	0.0000020	-0.0000100A.	0.0000100A.	
DC. Voltage Tes				
100mV Range	99.99925	99.99854mV.	100.00147mV.	
-100mV Range	-99.99952	-100.00147 mV.	-99.99854mV.	
1.0V Range	0.99999503	0.9999895V.	1.0000104V.	
-1.0V. Range	-0.99999948	-1.0000104V.	-0.999895V.	
10.0V Range	9.9999968	9.999898V.	10.0001013V.	
-10.0V. Range	-10.0000452	-10.0001013V.	-9.999898V.	
100.0V Range	100.000978	99.998759V.	100.001241V.	
-100.0V. Range	-100.000855	-100.001241V.	-99.998759V.	
1000.0V. Range	1000.00982	999.97582V.	10000.2418V.	
-1000.0V. Range	-1000.01582	-10000.2418V.	-999.97582V.	
4 Wires Ohms Te			222.27.0021.	
100hm Range	9.99925	9.999120hm	10.000870hm	
1000hm Range	99.99865	99.995980hm	100.000340hm	
1.0 KOhm Range	0.9999924	0.9999950KOhm	1.0000224KOhm	
10.0KOhm Range	9.999938	9.999462KOhm	10.000538KOhm	
100.0KOhm Range	99.99858	99.99690KOhm	100.000338KOIIII	
2 Wires Ohms Tes		55.55050Komil	100.00310ROIM	
1.0MOhm Range	0.9999672	0.9999803MOhm	1.0000209MOhm	
10.0MOhm Range	9.999579	9.998747MOhm	10.0000209MOhm	
100.0 MOhm Range	99.98524	99.95073Mohm		
100.0 Politi Ralige	33.30324	JJ. JJU / JMONIII	100.05765MOhm	

*ELECTRICAL EQUIPMENT CALIBRATION SERVICES TEST DATE: 04/01/2022

CALIBRATION REPORT NUMBER: 30554

UNIT UNDER TEST: AGILENT 3458A

SERIAL NUMBER: MY45042794

	OUTGOING	ACCEPTANCE LIMITS		
PARAMETER	DATA	LOW	HIGH	TUR
AC. Voltage Te				
100mV@1KHz.	99.9956	99.9648mV.	100.0252mV.	
100mV Range	2 22222			
1.0V@1KHz.	0.999945	0.999698V.	1.000302mV.	
1V. Range				
1.0V.@1KHz.	0.99972	0.99880V.	1.00120V.	
10V. Range				
1.0V.@50KHz.	0.99871	0.99450V.	1.00550V.	
10V. Range				
10.0V.@10Hz.	9.98334	9.95798V.	10.04202V.	
10V. Range				
10.0V.@20Hz.	9.99374	9.98298V.	10.01702V.	
10V. Range				
10.0V.@200Hz.	9.99948	9.99698V.	10.00302V.	
10V. Range				
10.0V.@500Hz.	9.99929	9.99698V.	10.00302V.	
10V. Range				
10.0V.@1KHz.	9.99905	9.99698V.	10.00302V.	
10V. Range				
10.0V.@20KHz.	9.99921	9.99698V.	10.00302V.	
10V. Range		3.33030	10.000021.	
10.0V.@50KHz.	9.99894	9.98098V.	10.01902V.	
10V. Range	3.33031	3.30030V.	10.01302 .	
10.0V.@100KHz.	10.00014	9.93198V.	10.06802V.	
10V. Range	10.00014	J. J3130V.	10.00002v.	
100V.@1KHz.	99.9931	99.9598V.	100.0402V.	
	99.9931	99.9396V.	100.04020.	
100V. Range	600 076			
700V.@1KHz.	699.876	699.379V.	700.621V.	
100V. Range				
DC. CURRENT TESTS	S			
100uA.	100.00132	99.99550uA.	100.00450uA.	
-100uA.	-99.99835	-100.00450uA.	99.99550uA.	
1.0mA.	1.0000076	0.99995796mA.	1.0004204mA.	
-1.0mA.	-0.9999985	-1.00004204mA.	-0.99995796mA.	
10mA.	10.000254	9.9996876mA.	10.0003124mA.	
-10mA.	-10.000105	10.00031240mA.	-9.99968760mA.	
100mA.	100.00122	99.995376mA.	100.004624mA.	
-100mA.	-100.00224	-100.004624mA	-99.0065376mA.	
1.0A.	1.0000396	0.99987376A.	1.00012624A.	
-1.0A.				
AC. CURRENT TESTS	-1.0000536	-1.00012624A.	-0.99987376A.	
		00 0130-7	100 0040 7	
100uA.@1KHz	100.0325	99.9138uA.	100.0948uA.	
1.0mA.@1KHz	1.000221	0.999488mA.	1.000498mA.	
10mA.@1KHz	10.00365	9.99468mA.	10.00478mA.	
100mA.@1KHz	100.0152	99.94898mA.	100.04998mA.	
1.0A.@1KHz	1.000325	0.998810A.	1.001220A.	