





31-Oct-2014

31-Oct-2015

31-Oct-2014

22.9 °C

46.6 %

1.2

US

## **Beaverton Service Center**

Certificate Number: 80794

Data Type:

Found-Left

**Result Summary:** 

In Tolerance

Manufacturer:

Model:

Fluke 73 III

Serial Number:

69352611

**Description:** 

**Procedure:** 

Multimeter

Fluke 73-3: (1 year) CAL VER /5520A

**Customer:** City:

WA State:

Purchase Order:

**CCSWSP** 

STATE OF WASHINGTON SEATTLE

Country:

Revision:

Calibration Date:

**Calibration Due:** 

**Certificate Date:** 

Temperature:

Humidity:

30649727 RMA:

This calibration is traceable to the International System of Units (SI), through National Metrology Institutes (NIST, PTB, NRC, NPL, etc.), ratiometric techniques, or natural physical constants. This certificate applies only to the item identified and shall not be reproduced other than in full, without the specific written approval by Fluke Corporation. Calibration certificates without signature are not valid. The calibration has been completed in accordance with Fluke Electronics Corporation Quality System Document 111.0, Fluke 17025 Quality Manual QSD 111.41 and/or Fluke Customer Support Services QAM 400.

The Data Type found in this certificate must be interpreted as:

- As Found Calibration data collected before the unit is adjusted and / or repaired.
- Calibration data collected after the unit has been adjusted and / or repaired.
- Found-Left Calibration data collected without any adjustment and / or repair performed.

This calibration conforms to the requirements of ANSI/NCSL Z540-1-1994 (R2002).

In the attached measurement results, deviation may be expressed with units, Measured Value (MV) - Nominal Value (NV) or as a proportion of the nominal value ((MV-NV)/NV), expressed without units with a scalar multiplier such as % (0.01), or as a ratio of the units (mA/A, μV/V, etc.) Descriptions such as μΑ/Α, μV/V, and others, where used to annotate results or column headings are the preferred replacements for what was historically labeled as "ppm" or parts-per-million and

described the results in that column, unless otherwise noted by units symbols.

Where applicable, the expanded uncertainty of measurement at the time of test is given in the following pages. They are calculated in accordance with the method described in the ISO Guide to the Expression of Uncertainty in Measurement (GUM). The reported expanded uncertainty of measurement is stated as the

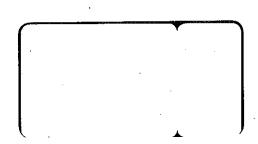
standard uncertainty of measurement multiplied by the coverage factor k, such that the confidence level approximates 95%.

Where applicable, the Test Uncertainty Ratio (TUR) is provided in the following pages. Unless otherwise stated, the TUR for a given measurement result is 4:1 or greater.

Results are reviewed to establish where any measurement results exceeded the manufacturer's specifications.

Measurement results greater than limits of error are indicated by "I".





MICHAEL GRIFFITHS Issued By

Fluke Corporation

Telephone

Internet www.fluke.com Revision

2.4

FLUKE.

Certificate Number: 80794

Date of Calibration: 31-Oct-2014

## Standards Used

**Asset** 15615

Description

Fluke 5522A Calibrator

Cal-Date

Cal-Due

05-Aug-2014

05-Nov-2014

Revision

FLUKE.

Date of Calibration: 31-Oct-2014 Certificate Number: 80794

## **Calibration Data**

	Nominal	Measurement	Limits of Error		Test Uncertainty
Parameter	Value	Result	Lower Limit	Upper Limit	Ratio (TUR)
DISPLAY TEST					
Display Segments Illuminated Correctly:		Pass			
RESISTANCE TEST					
320Ohms Range		-			
0.0 Ohm	0.00	0.0	0.0	0.2	
100.0 Ohm	100.00	100.0	99.3	100.7	
3200Ohms Range					
1000 Ohm	1000.0	1000	994	1006	
32kOhms Range					
10.00 kOhm	10.000	10.00	9.94	10.06	
320kOhms Range					
100.0 kOhm	100.00	100.0	99.4	100.6	
3.2MOhms Range					
1.000 MOhm	1.0000	1.000	0.994	1.006	
32MOhms Range					
10.00 MOhm	10.000	10.00	9.79	10.21	
DIODE TEST				·	
Beeper Audible		Pass			
Beeper OFF		Pass		٠	
DC VOLTAGE TEST					
320mV Range					
300.0 mV	300.00	299.8	299.0	301.0	
DC VOLTAGE TEST			•		
3.2V Range					
2.700 V	2.7000	2.700	2,691	2.709	
32V Range					
27.00 V	27.000	26.99	26.91	27.09	
320V Range					
270.0 V	270.00	270.0	269.1	270.9	
600V Range		•			
600 V	600.0	602	597	603	
AC VOLTAGE TEST					•
3.2V Range					
2.700 V @ 100 Hz	2.7000	2.700	2.644	2.756	
2.700 V @ 500 Hz	2.7000	2.700	2.644	2.756	
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Certificate Number: 80794

Date of Calibration: 31-Oct-2014

## **Calibration Data**

Parameter	Nominal Value	Measurement Result	Limits of Error		Test Uncertainty
			Lower Limit	Upper Limit	Ratio (TUR)
600V Range					
600 V @ 100 Hz	600.0	601	586	614	
600 V @ 1 kHz	600.0	601	586	614	
DC mA TEST					
32mA Range	•				
27.00 mA	27.000	27.00	26.57	27.43	
320mA Range					1
200.0 mA	200.00	200.0	196.8	203.2	
DC AMPS TEST					
10A Range					
10.00 A	10.000	9,97	9.83	10.17	

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