

22-Jun-2016

22-Jun-2017

22-Jun-2016

23,3 °C

39.9 %



Certificate of Calibration

Beaverton Service Center

Certificate Number: 252780

Data Type: Found-Left

Result Summary: In Tolerance

Manufacturer:

Fluke

Model:

Serial Number: 708600863

Description:

Procedure:

Customer:

Multimeter

70 III

Fluke 70-3: (1 year) CAL VER /5520A

STATE OF WASHINGTON

City: State: WENATCHEE

Purchase Order:

WA

CCS WASHINGTON ST PATROL

Revision:

Country:

Calibration Date:

Calibration Due:

Certificate Date:

Temperature:

Humidity:

US

1.2

RMA:

31054337

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 Revision 118 8/2014 and/or Fluke 17025 Quality Manual QSD 111.41 Revision 005 9/2014.

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. As - Left
- 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 µA/A, 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.

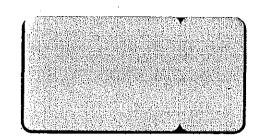
Where applicable, the expanded uncertainty of measurement at the time of test is given in the following pages. They are calculated in accordance with the method described in the ISO Guide to the Expression of Uncertainty in Measurement (GUM). The reported expanded uncertainty of measurement is stated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





Tracy Wint TRACY WRIGHT Issued By

Fluke Corporation

Telephone

Internet

Revision

FLUKE.

Certificate Number: 252780

Date of Calibration: 22-Jun-2016

Standards Used

Asset

Description

Cal-Date

Cal-Due

15615

Fluke 5522A Calibrator

27-Aug-2015

27-Aug-2016

Certificate Number: 252780 Date of Calibration: 22-Jun-2016

Cal	libr	atio	ъпΓ)ata
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	Nominal	Measurement	Limits of Error		Test Uncertainty	
Parameter	Value	Result	Lower Limit	Upper Limit	Ratio (Tl	JR)
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		٠				
100.0 kOhm	100.00	100.0	99.4	100.6		
3.2MOhms Range		4				
1.000 MOhm	1.0000	1.000	0.994	1.006		
32MOhms Range						
10.00 MOhm	10.000	10.01	9.79	10.21		
DIODE TEST .						
Beeper Audible		Pass				
Beeper OFF		Pass				
OC VOLTAGE TEST						
320mV Range						
300.0 mV	300.00	299.3	299.0	301.0	•	
OC VOLTAGE TEST						
3.2V Range						
2.700 V	2.7000	2.695	2.691	2.709		
32V Range						
27.00 V	27.000	26.96	26.91	27.09		
20V Range						
270.0 V	270,00	269.6	269.1	270.9		
00V Range						
600 V	600.0	600	597	603		
C VOLTAGE TEST						
.2V Range						
2.700 V @ 100 Hz	2.7000	2.691	2,644	2.756		
2.700 V @ 500 Hz	2.7000	2.680	2.644	2.756		
uke Corporation	Telephone		Inte	ernet	Revision	2.9

Date of Calibration: 22-Jun-2016

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	598	586	614		
600 V @ 1 kHz	600.0	598	586	614		

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