

1420 75th St. SW  
Everett, Washington 98203  
USA

# Calibration Certificate



ISO 9001:2008 (10100/2)

<b>Description:</b>	MULTIMETER	<b>Certificate Number:</b>	649084-72830389:1320995162
<b>Manufacturer:</b>	FLUKE	<b>Date of Calibration:</b>	11 November 2011
<b>Model:</b>	70 III	<b>Date of Certificate:</b>	11 November 2011
<b>Serial Number:</b>	72830389	<b>Recommended Due Date:</b>	11 November 2012
<b>Customer Name:</b>		<b>Procedure Name:</b>	
STATE OF WASHINGTON		FLUKE 70-3: (1 YEAR) CAL VER/ALT 5520A	
<b>City, State:</b>	SEATTLE, WA	<b>Procedure Revision:</b>	1.0
<b>Customer Item ID:</b>	72830389	<b>Data Type:</b>	FOUND-LEFT
<b>PO Number:</b>	CCS IMPAIRED DRIVING	<b>Temperature:</b>	22.9 °Celsius
<b>RMA Number:</b>	4890427	<b>Relative Humidity:</b>	23 %
<b>Result Summary:</b>	PASS		
<b>Received Date:</b>	10 November 2011		

The Data type that could be found in this certificate must be interpreted as:

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

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. The user is obliged to have the object recalibrated at appropriate intervals.

Comments:

Sierra Neeley  
Metrology Technician

**Traceability Information**

For each parameter listed below the calibration was conducted using an unbroken chain of standards to:

**DC Voltage**

The Voltage Reference standard group, traceable to the Fluke Primary Electrical Standards Laboratory, which is traceable to the U.S. representation of the volt, through the internationally accepted value of the Josephson constant  $K_j=483597.9$  GHz/V and a 10 Volt Josephson Array Voltage Standard.

**Frequency and Period**

A GPS Disciplined Rubidium oscillator frequency standard which is traceable to the National Institute of Standards and Technology (NIST).

**AC Voltage, Resistance, DC Current, AC Current, Capacitance, Inductance, Phase**

The Fluke Primary Electrical Standards Laboratory, or Agilent Technologies Standards Laboratory, or IET, which are traceable to NIST, or NRC.

**AC Voltage Flatness**

The Fluke Primary Electrical Standards Laboratory or Agilent Technologies Standards Laboratory, which are traceable to NIST, or PTB, or NPL.

**Humidity**

The Vaisala Measurement Standards Laboratory Primary Salt calibration bath, with traceability based on the physical phenomena in which the equilibrium relative humidity values associated with certain saturated salt solutions are known.

**Rise Time**

The Tektronix GmbH Calibration Laboratory which is traceable to the Physikalisch-Technische Bundesanstalt (PTB), or the National Physical Laboratory (NPL).

**Radiation Temperature**

Traceable to NIST, PTB, and the Fluke Primary Temperature Standards Laboratory.

**Contact Temperature**

Traceable to the Fluke Primary Temperature Standards Laboratory which is traceable to the NIST.

**Gas Flow**

The Fluke Primary Gas Flow Laboratory which is traceable to the NIST.

**Pressure**

The Fluke Primary Pressure Laboratory (Phoenix), which is traceable to the Laboratoire National de Metrologie et D'Essais (LNE) and PTB.

**Gas Mixture**

Traceable to NIST reference materials.

**Standards Used**

Asset #	Instrument Model	Cal Date	Cal Due
9989	FLUKE 5520A CALIBRATOR	19 May 2011	19 November 2011

End of Report