

1420 75th St. SW  
Everett, Washington 98203  
USA

NQA ISO 9001:2008 (10100/2)

# Calibration Certificate

Description:	MULTIMETER	Certificate Number:	649084-70530850:1303202876
Manufacturer:	FLUKE	Date of Calibration:	19 April 2011
Model:	70 III	Date of Certificate:	19 April 2011
Serial Number:	70530850	Recommended Due Date:	19 April 2012
Customer Name:		Procedure Name:	
STATE OF WASHINGTON		FLUKE 70-3: (1 YEAR) CAL VER/ALT 5520A	
City, State:	SEATTLE, WA	Procedure Revision:	1.0
Customer Item ID:	70530850	Data Type:	FOUND-LEFT
PO Number:	CCS IMPAIRED DRIVING 5	Temperature:	22.6 °Celsius
RMA Number:	4732415	Relative Humidity:	29 %
Result Summary:	PASS		
Received Date:	12 April 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:**

Hai La

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, which is traceable to the NIST.

**AC Voltage Flatness**

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

**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), and 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.

**Standards Used**

Asset #	Instrument Model	Cal Date	Cal Due
J1670	FLUKE 5520A CALIBRATOR	22 June 2010	22 June 2011

End of Report