

1420 75th St. SW
Everett, Washington 98203
USA

NQA ISO 9001:2008 (10100/2)

Calibration Certificate

Description:	MULTIMETER	Certificate Number:	649084-70500451:1295948841
Manufacturer:	FLUKE	Date of Calibration:	25 January 2011
Model:	70 III	Date of Certificate:	25 January 2011
Serial Number:	70500451	Recommended Due Date:	25 January 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:	70500451	Data Type:	FOUND-LEFT
PO Number:	CCS IMPAIRED DRIVING 5	Temperature:	21.8 °Celsius
RMA Number:	4668285	Relative Humidity:	40 %
Result Summary:	PASS		
Received Date:	24 January 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
9989	FLUKE 5520A CALIBRATOR	09 November 2010	09 May 2011

End of Report