

1420 75th St. SW  
Everett, Washington 98203  
USA

NQA ISO 9000:2000 (10100/2)

# Calibration Certificate

<b>Description:</b>	MULTIMETER	<b>Certificate Number:</b>	649084-70530847:1252045513
<b>Manufacturer:</b>	FLUKE	<b>Date of Calibration:</b>	04 September 2009
<b>Model:</b>	70 III	<b>Date of Certificate:</b>	04 September 2009
<b>Serial Number:</b>	70530847	<b>Date Due:</b>	04 September 2010
<b>Customer Name:</b>	STATE OF WASHINGTON	<b>Procedure Name:</b>	MFG MANUAL
<b>City, State:</b>	SEATTLE, WA	<b>Procedure Revision:</b>	7/98
<b>Customer Item ID:</b>	70530847	<b>Data Type:</b>	FOUND-LEFT
<b>PO Number:</b>	CCS	<b>Temperature:</b>	23.00 °Celsius
<b>RMA Number:</b>	4290150	<b>Relative Humidity:</b>	40 %
<b>Result Summary:</b>	PASS		

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:

Long Le  
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 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**

The GPS-Rubidium Disciplined oscillator frequency standard, traceable to the United States Naval Observatory (USNO), which is traceable to the National Institute of Standards and Technology.

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

The Fluke Primary Standards Laboratory, which is traceable to the National Institute of Standards and Technology.

**AC Voltage Flatness**

The Fluke Primary Standards Laboratory, or Agilent Technologies Standards Laboratory which are traceable to the National Institute of Standards and Technology.

**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.

**Radiation Temperature**

The National Institute of Standards and Technology, the Physikalisch-Technische Bundesanstalt, or Hart Scientific.

**Contact Temperature**

The Fluke Primary Standards Laboratory, Hart Scientific, which are traceable to the National Institute of Standards and Technology.

**Gas Flow**

The DHI Calibration Laboratory, which is traceable to the National Institute of Standards and Technology.

**Pressure**

The DHI Calibration Laboratory, which is traceable to the Laboratoire National D'Essais, Physikalisch-Technische Bundesanstalt and National Institute of Standards and Technology, or traceable to the Mensor or Ashcroft Calibration Laboratories, which are traceable to the National Institute of Standards and Technology.

**Standards Used**

<b>Asset #</b>	<b>Instrument Model</b>	<b>Cal Date</b>	<b>Cal Due</b>
10127	FLUKE 5520A CALIBRATOR	29 May 2009	28 February 2010

End of Report