

1420 75th St. SW  
Everett, Washington 98203  
USA

# Calibration Certificate



NQA ISO 9000:2000 (10100/2)

Description:	MULTIMETER	Certificate Number:	649084-708600863:1232086464
Manufacturer:	FLUKE	Date of Calibration:	16 January 2009
Model:	70 III	Date of Certificate:	25 July 2009
Serial Number:	708600863	Date Due:	16 January 2010
Customer Name:		Procedure Name:	
STATE OF WASHINGTON		MFG MANUAL	
City, State:	SEATTLE, WA	Procedure Revision:	7/98
Customer Item ID:	708600863	Data Type:	FOUND-LEFT
PO Number:	CCS	Temperature:	23.00 °Celsius
RMA Number:	4144669	Relative Humidity:	40 %
Result Summary:	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



Certificate Number:  
649084-708600863:1232086464

Calibration Date:  
16-Jan-09

#### 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

Asset #	Instrument Model	Cal Date	Cal Due
10127	FLUKE 5520A CALIBRATOR	28 August 2008	28 May 2009

End of Report