



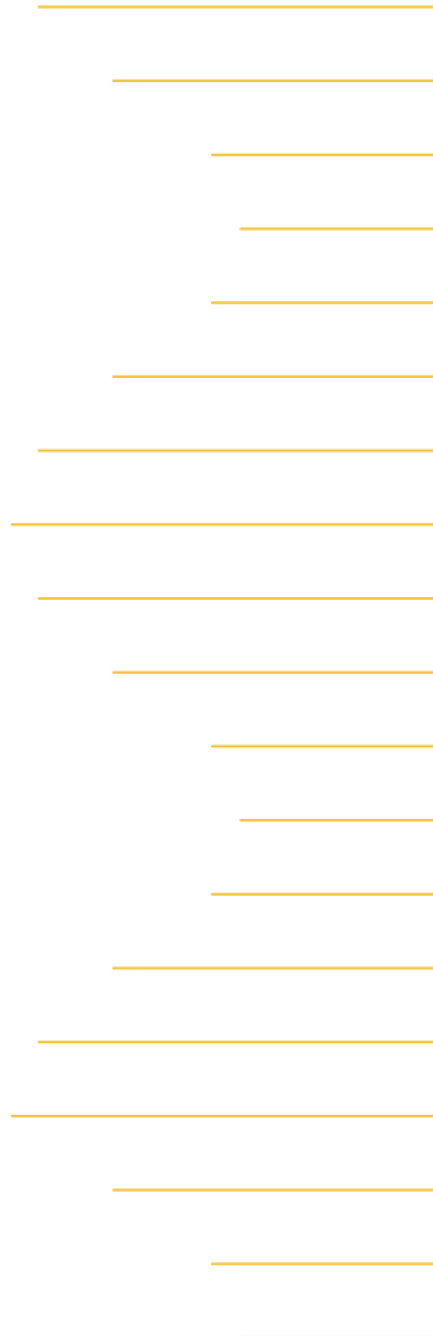
RIGOL

# DM858/3058/3068 Series

Digital Multimeter

Calibration Guide

Mar. 2026



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E-mail: [service@rigol.com](mailto:service@rigol.com)

Website: <http://www.rigol.com>

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# 1 Safety Requirement

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## 1.1 General Safety Summary

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Please review the following safety precautions carefully before putting the instrument into operation so as to avoid any personal injury or damage to the instrument and any product connected to it. To prevent potential hazards, please follow the instructions specified in this manual to use the instrument properly.



### WARNING

Equipment meeting Class A requirements may not offer adequate protection to broadcast services within residential environment.

## 1.2 Measurement Category

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### Measurement Category

CAT I 1000 V/CAT II 300 V



### WARNING

To avoid the danger of electric shock, do not make measurements out of the voltage range or at CAT III/CAT IV (such as measuring AC motors, motor protectors, frequency converters, and inverters).



### WARNING

For CAT II, the input terminal can be connected to the main circuit (up to 300 VAC). To avoid electric shock, do not connect the input terminal to the main circuit with a line voltage above 300 VAC rms. See *IEC Measurement Category II* in this section.

### IEC Measurement Category II

To protect against the danger of electric shock, this series Digital Multimeter provides overvoltage protection for line-voltage mains connections meeting both of the following conditions:

1. The HI and LO input terminals are connected to the mains under Measurement Category II conditions, defined below.
2. The mains are limited to a maximum line voltage of 300 VAC.

IEC Measurement Category II includes electrical devices connected to mains at an outlet on a branch circuit. Such devices include most small appliances, test equipment, and other devices that plug into a branch outlet or socket. This series Digital Multimeter may be used to make measurements with the HI and LO inputs connected to mains in such devices (up to 300 VAC), or to the branch outlet itself.

**WARNING**

To avoid electric shock, the instrument may not be used with its HI and LO inputs connected to mains in permanently installed electrical devices such as the main circuit-breaker panel, sub-panel disconnect boxes, or permanently wired motors. Such devices and circuits are subject to overvoltages that may exceed the protection limits of the instrument.

**CAUTION**

Voltages above 300 VAC may be measured only in circuits that are isolated from mains. However, transient overvoltages are also present on circuits that are isolated from mains. The instrument is designed to safely withstand occasional transient overvoltage up to 2500 Vpk. Do not use this equipment to measure circuits where transient overvoltage could exceed this level.

**Measurement Category Definitions**

- **Measurement Category I (CAT I)** is for measurements performed on circuits not directly connected to MAINS. Examples are measurements on batteries, electronic devices (especially laptops), and circuits not derived from MAINS, especially protected (internal) MAINS derived circuits.
- **Measurement Category II (CAT II)** is for measurements performed on circuits directly connected to low voltage installation. Examples are measurements on household appliances, portable tools and similar equipment.
- **Measurement Category III (CAT III)** is for measurements performed in the building installation. Examples are measurements on distribution boards, circuit-breakers, wiring (including cables, bus-bars, junction boxes, switches and socket-outlets) in the fixed installation, and equipment for industrial use and some other equipment. For example, stationary motors with permanent connection to a fixed installation.
- **Measurement Category IV (CAT IV)** is for measurements performed at the source of a low-voltage installation. Examples are electricity meters and measurements on primary overcurrent protection devices and ripple control units.

## 1.3 Safety Notices and Symbols

**Safety Notices in this Manual:****WARNING**

Indicates a potentially hazardous situation or practice which, if not avoided, will result in serious injury or death.

**CAUTION**

Indicates a potentially hazardous situation or practice which, if not avoided, could result in damage to the product or loss of important data.

**Safety Notices on the Product:**

- **DANGER**

It calls attention to an operation, if not correctly performed, could result in injury or hazard immediately.

- **WARNING**

It calls attention to an operation, if not correctly performed, could result in potential injury or hazard.

- **CAUTION**

It calls attention to an operation, if not correctly performed, could result in damage to the product or other devices connected to the product.

**Safety Symbols on the Product:**

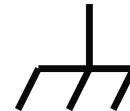
**Hazardous  
Voltage**



**Safety Warning**



**Protective Earth  
Terminal**



**Chassis Ground**



**Test Ground**

## 2 Document Overview


This manual is designed to guide you to properly verify the performance specifications of RIGOL DM858, DM3058, and DM3068 Series Digital Multimeter. For the operation methods mentioned in the test procedures, refer to the User Guide of each series.

### Publication Number

CGC13100-1110

### Format Conventions in this Manual


#### 1. Key


The front panel key is denoted by the menu key icon. For example,  indicates the "Utility" key.

#### 2. Menu

The menu item is denoted by the format of "Menu Name (Bold) + Character Shading" in the manual. For example, **Setup** indicates the "Setup" menu item. You can click or tap **Setup** to access the "Setup" menu.

#### 3. Operation Procedures

The next step of the operation is denoted by ">" in the manual. For example, 

> **Storage** indicates first clicking or tapping  and then clicking or tapping **Storage**.

### Content Conventions in this Manual

This manual provides automated calibration procedures for the following digital multimeter series.

Specifications for Different Series			
DM Series	Model	Accuracy	DCV Accuracy (1 year)
DM858	DM858 and DM858E	5.5	0.03%/0.06%
DM3058	DM3058 and DM3058E	5.5	0.015%
DM3068	DM3068	6.5	0.0035%

## 3 Overview

### 3.1 Test Preparations

Before the test, complete the following preparations:

- Ensure that the instrument has been stored for at least 2 hours in an environment between 0°C and 50°C, and allow the instrument to warm up for at least 90 minutes within the specified operating temperature range of 20°C to 26°C.
- Download NI Package Manager from the NI website, and install the GPIB driver, NI-488.2, and NI-VISA. The Excel database driver and registry files are included in the verification package.
- This test procedure uses automated calibration. Before calibration, download the appropriate calibration software and product firmware from the RIGOL website (<http://www.rigol.com>).

### 3.2 Test Equipment

Please use the equipment listed in the table below to test the digital multimeter.

**Table 3.1 Test Equipment**

Equipment	Model/Specification	Quantity
Calibrator	FLUKE 5520A/FLUKE 5560A	1
Test Leads and Related Connectors	Refer to <i>Table 3.2 Test Leads and Related Connectors</i>	As required
PC (with USB 2.0 interface)	Windows 10	1

**Table 3.2 Test Leads and Related Connectors**

Test Leads and Related Connectors	Recommended Model	Purpose	Requirements
Low thermal copper EMF test lead (2 sets)	FLUKE 5440	1 set: for voltage measurements and current measurements above 1 mA	Shielded twisted-pair copper cable with copper or gold-plated copper banana plugs

Test Leads and Related Connectors	Recommended Model	Purpose	Requirements
		2 sets: for 4-wire resistance measurements	
Banana plug shorting bar	Pomona 5145	DCV zero calibration and 2-wire resistance zero	Resistance $\leq 40 \text{ m}\Omega$
Dual banana plug with binding posts	Pomona 5405	2-Wire resistance connection	Gold-plated copper
2 spade lugs	Pomona 2305	2-Wire resistance connection (used for connection to the calibrator's Sense terminals or designated terminals)	Gold-plated copper, insulated, and low thermal EMF

### 3.3 Test Precautions

To ensure calibration accuracy and safety, please strictly follow the requirements below:

- The calibrator shall undergo zero calibration once per day.
- Calibration shall be performed in an environment with an ambient temperature of  $23 \pm 3^\circ\text{C}$  and a relative humidity of less than 40%. All equipment shall be properly grounded.
- The multimeter shall be warmed up for at least 90 minutes before calibration. During transfer, the power-off time shall not exceed 1 minute.
- While the calibrator is outputting signals, do not touch the calibration fixture, in order to avoid the risk of electric shock.
- If a communication error occurs or any calibration item becomes unresponsive during the calibration process, immediately stop the calibration, disable the output of the calibrator, and verify the following:
  - The GPIB cable is properly connected.
  - The GPIB address of the calibrator is configured correctly.
  - The USB port of the multimeter and the calibration fixture are properly connected.
  - The software and firmware versions of the multimeter support the calibration function.

- If any functional abnormality is found during use of the multimeter, record the issue and contact RIGOL for evaluation to determine whether return-to-factory repair is required.

## 3.4 Specifications

After calibration, the multimeter performance complies with the specifications provided in the Data Sheet. Data Sheets for each multimeter series can be downloaded from <http://www.rigol.com>.



### CAUTION

**Operation in an environment that does not comply with electromagnetic compatibility (EMC) requirements may degrade measurement accuracy and overall product performance.**

## 4 Calibration

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### 4.1 Calibration Guidelines

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To achieve the best results, observe the following requirements for all test procedures:

- Before performing calibration tests, make sure that the instrument has been stored for at least 2 hours in an environment between 0°C and 50°C, and allow the instrument to warm up for at least 90 minutes within the specified operating temperature range of 20°C to 26°C.
- Each test shall be performed within the specified operating temperature range of 20°C to 26°C.
- Before starting each test, or after completing the test, restore the instrument to its factory default settings.

The definitions of "Typical", "Nominal", and "Measured" values used in this product are as follows:

- Typical: Represents the typical performance that can be achieved by 80% of test results under room temperature conditions (approximately 25°C). These values are for reference only, are not guaranteed specifications, and do not include measurement uncertainty.
- Nominal: Represents expected average performance or a designed performance characteristic, such as a 50  $\Omega$  connector. These values are provided for reference only, are not guaranteed specifications, and are measured under room temperature conditions (approximately 25°C).
- Measured value: Represents a performance characteristic measured during the design phase for comparison with expected performance, such as amplitude drift over time. These values are provided for reference only, are not guaranteed specifications, and are measured under room temperature conditions (approximately 25°C).

### 4.2 DM858/DM858E Calibration

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#### 4.2.1 DM858/DM858E Calibration Procedures

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Before calibration, please read *Test Precautions* carefully. This section takes DM858 as an example to describe the calibration procedures for the DM858/DM858E digital multimeters.

##### 1. Configure the multimeter.

1. Power on the multimeter and allow it to warm up for at least 90 minutes.

2. Verify that the instrument software version is the latest version available on the RIGOL website.
2. Configure the calibrator (FLUKE 5520A or 5560A). Use a GPIB cable to connect the calibrator to the PC, and set the calibrator GPIB address to 8.
  - FLUKE 5520A: Press the "SETUP" key on the front panel, then use the front-panel keys to select "GPIB SETUP" and set the GPIB address to 8.
  - FLUKE 5560A: Select **Setup** > **System Settings** > **GPIB** to set the GPIB address to 8.

For detailed operating instructions, refer to the corresponding user manual for the FLUKE 5560A or 5520A. Note that after power-on, the calibrator shall be warmed up for 30 minutes. In addition, perform zero calibration once every 24 hours.

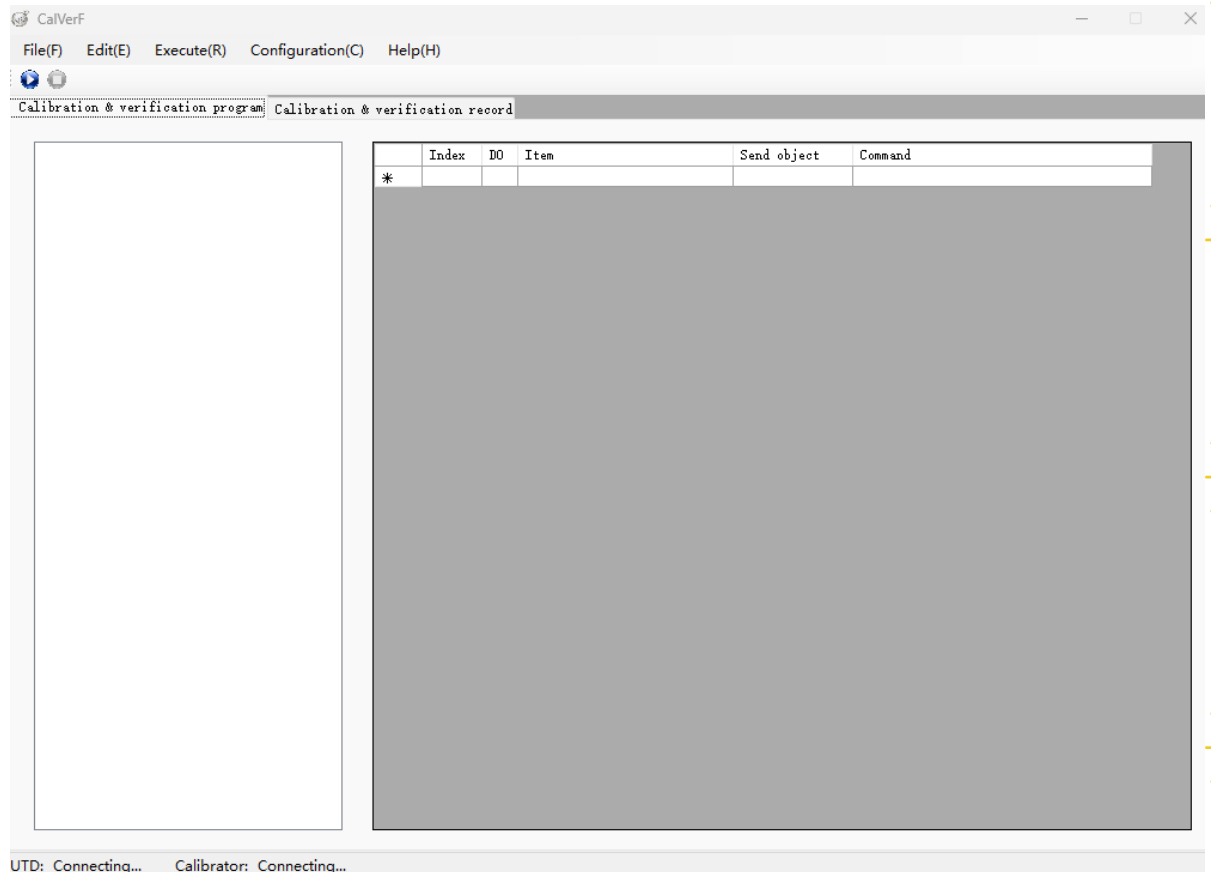
3. Connect the equipment. Use a USB cable to connect the multimeter to the PC. Move the multimeter into the calibration rack, connect it to the power source, and power it on. Note that the power-off time shall not exceed 1 minute during transfer.



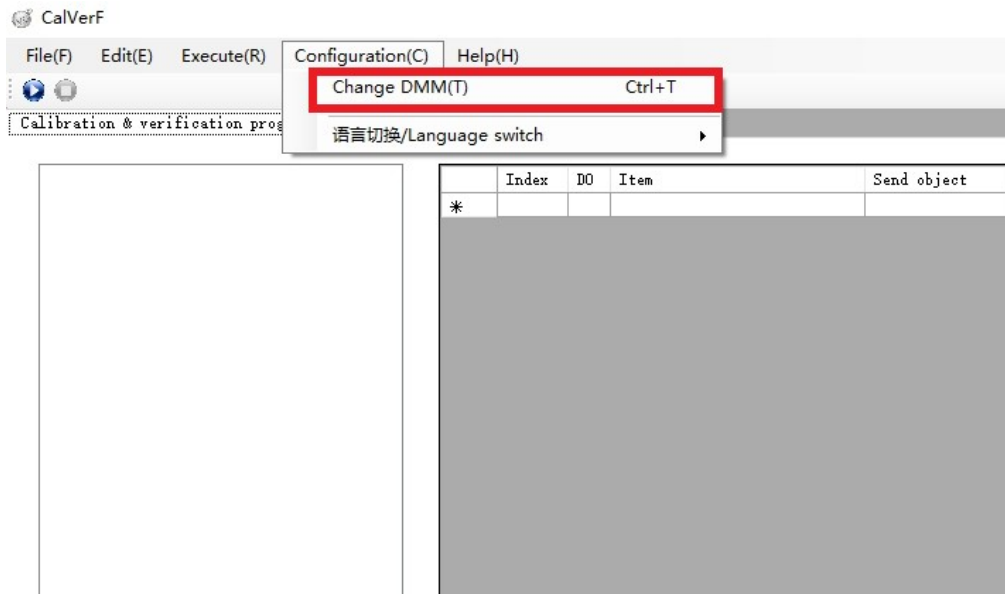
### CAUTION

**If the PC enters standby or sleep mode, the USB connection may be disconnected, which can interrupt the calibration process. Before starting calibration, check the PC power settings and make sure the computer will not automatically enter standby or sleep mode during long periods of inactivity.**

4. Open the calibration software. Run the SnipeCalVER calibration program as an administrator. The main interface is as shown below.

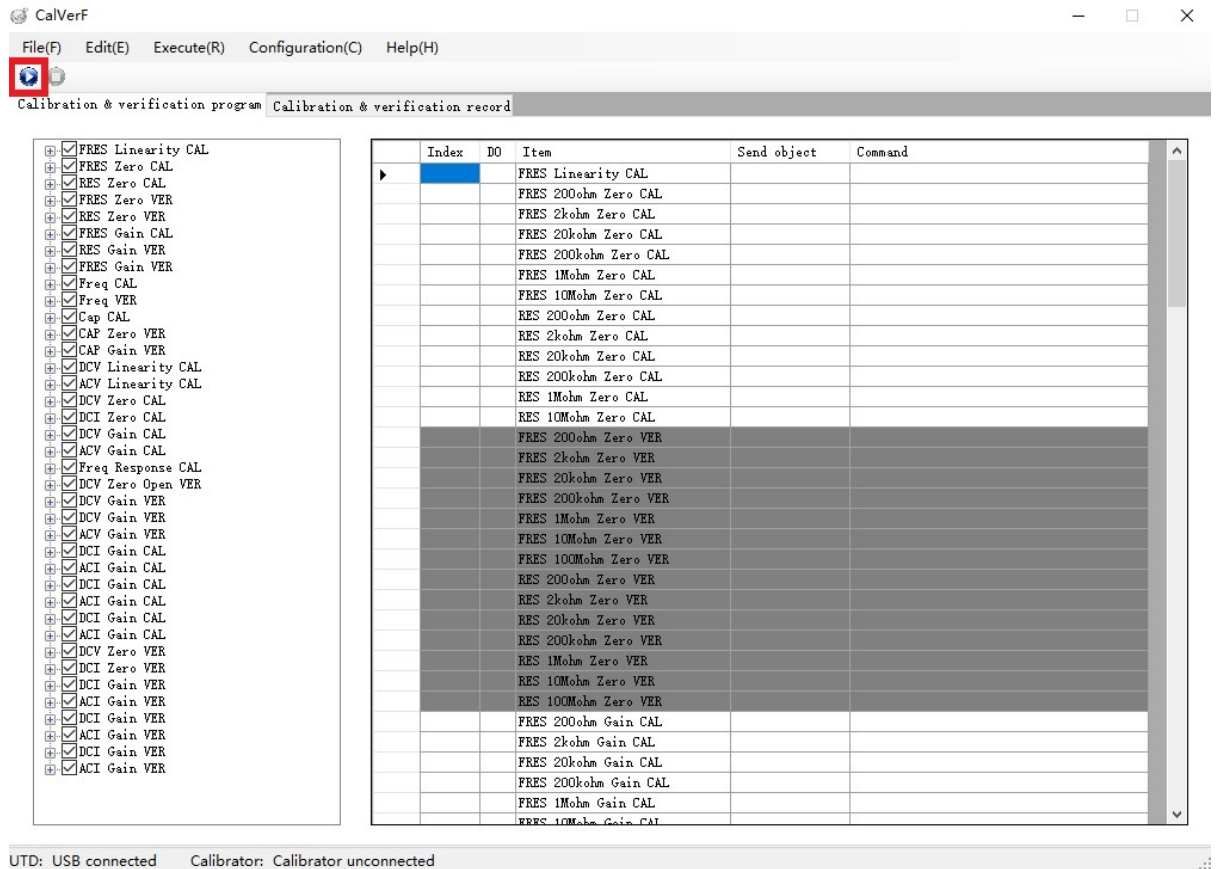


5. In the main interface, click **Configuration > Change DMM(T)**. After confirming that the USB connection to the multimeter and the GPIB connection to the calibrator are properly established, the software automatically identifies the multimeter model and reloads the corresponding calibration file.



6. Start the calibration test.

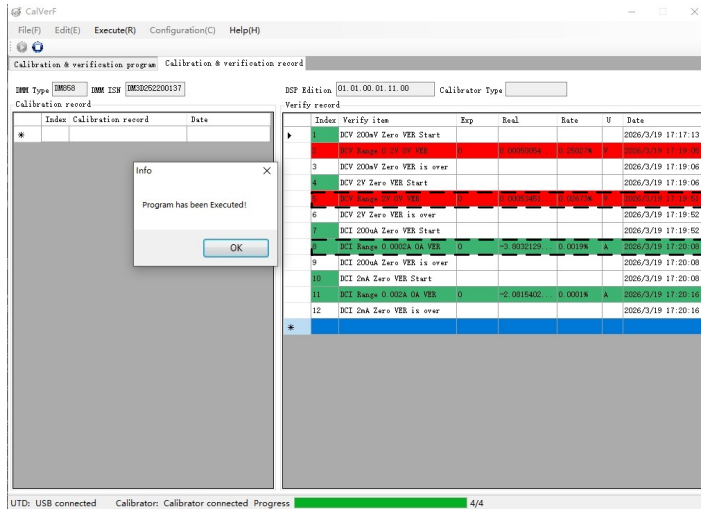
- a. Click the start button to begin the calibration program.



- b. During the process, connection prompt windows are displayed for different test items. Follow the image in the windows to manually switch the cable

connections between the multimeter and the calibrator. You can also refer to [DM558/DM558E Calibration Connection Reference](#) to complete the required connections.

- After the calibration procedure is completed, the verification results are displayed, as shown in the figure below. In the verification record, items shown in green indicate that the verification passed, while items shown in red indicate that the verification failed and must be performed again.



← Red: indicates that verification failed.  
 ← Green: indicates that verification passed.

- Click **File** > **Save result as Excel files(S)** to save the verification data to your PC. When the message "Operation complete." is displayed, you may remove the devices connected to the front panel of the multimeter.

## 4.2.2 DM558/DM558E Calibration Connection Reference

Refer to the figures below to connect the multimeter to the calibrator.

### 4.2.2.1 DM558/DM558E to FLUKE 5520A Wiring

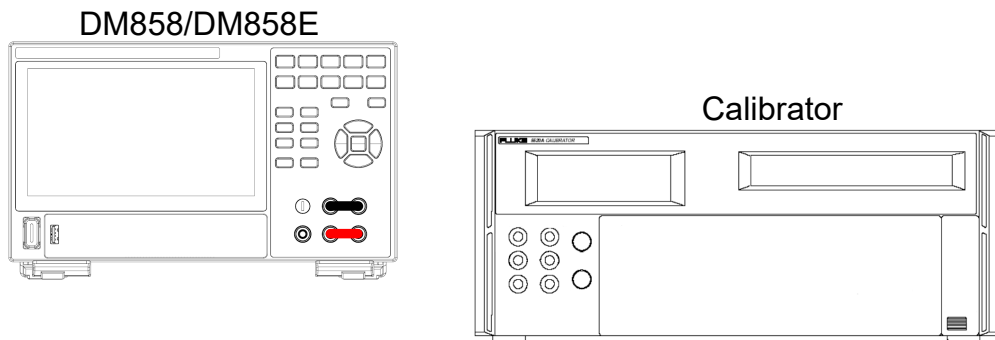
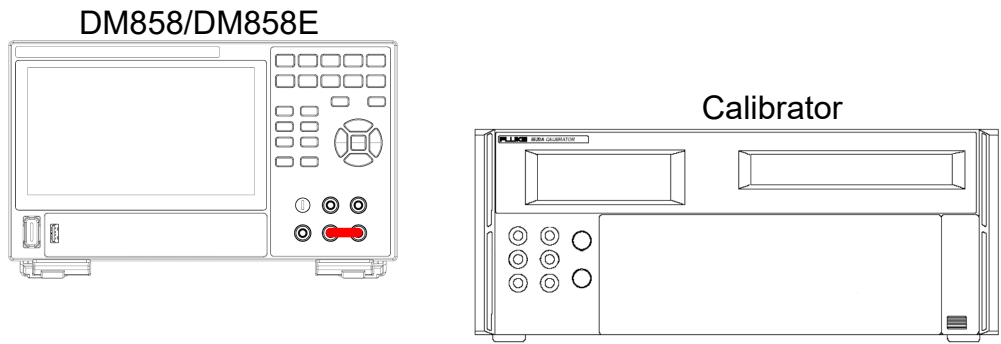
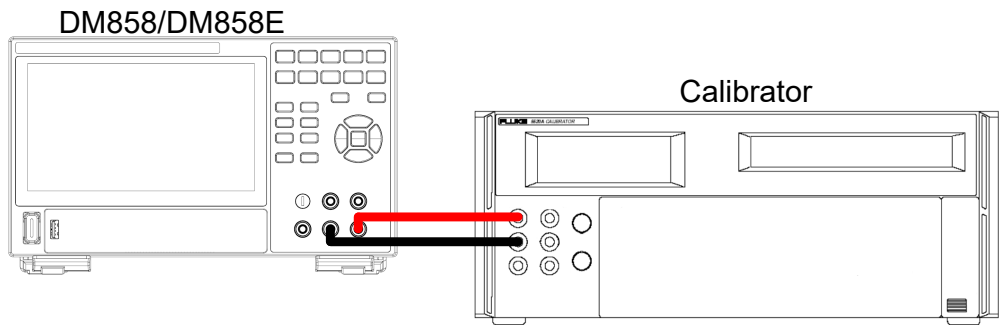


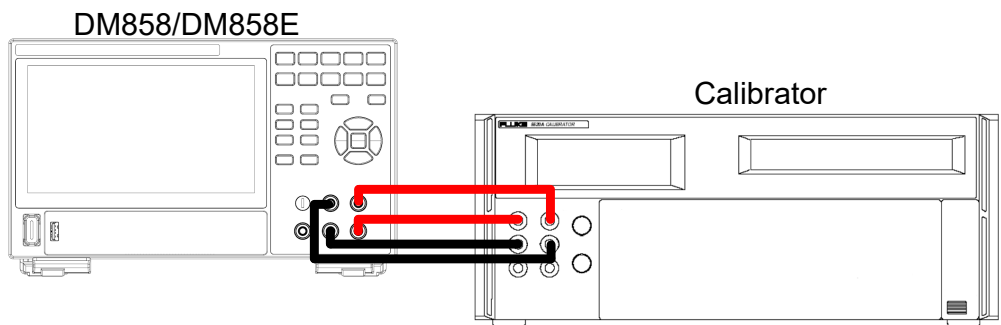
Figure 4.1 Short the HI, LO, HI-Sense, and LO-Sense terminals



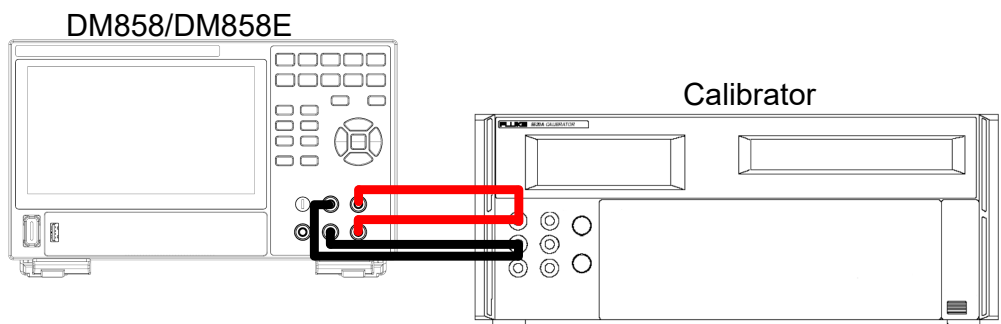
**Figure 4.2 Short the HI and LO terminals**



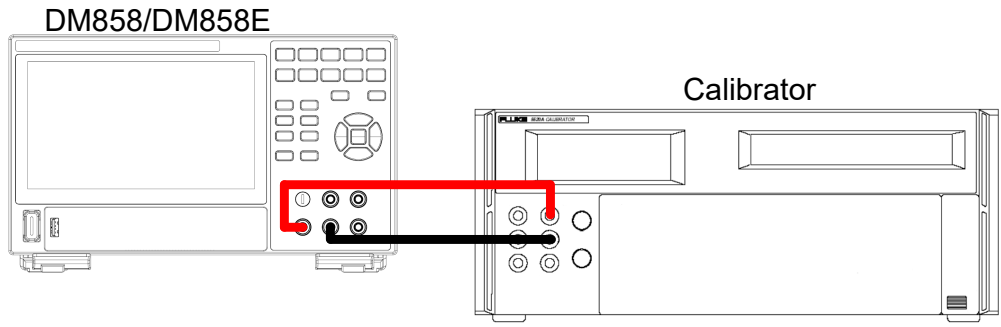
**Figure 4.3 Connect DM and Calibrator in DCV/ACV/2WR/Cap/Freq Mode**



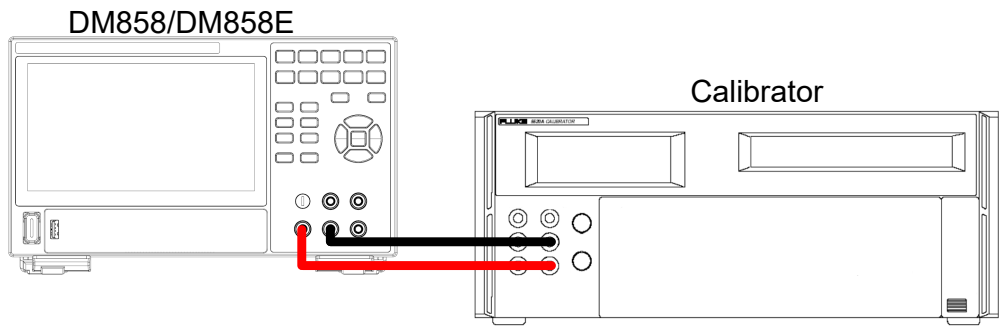
**Figure 4.4 Connect DM and Calibrator in 4WR Mode**



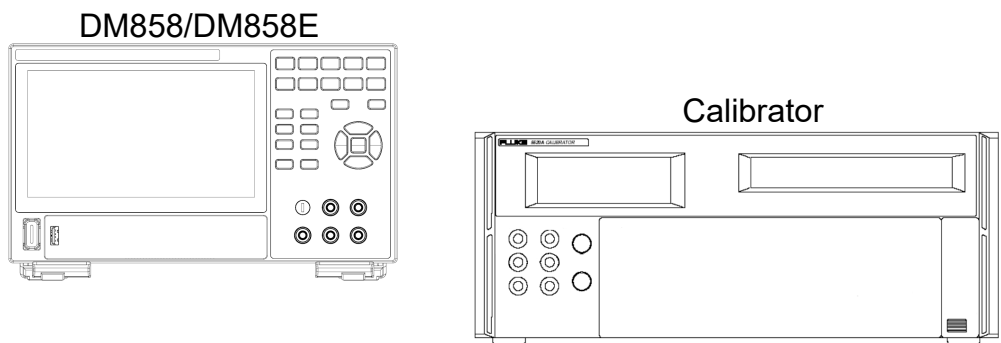
**Figure 4.5 For 4WR, please connect DM and Calibrator in 2WR Mode**



**Figure 4.6 Connect DM and Calibrator in 2 A Current Mode**



**Figure 4.7 Connect DM and Calibrator in 10 A Current Mode**



**Figure 4.8 Remove all cables from the front panel of the multimeter**

4.2.2.2 DM858/DM858E to FLUKE 5560A Wiring

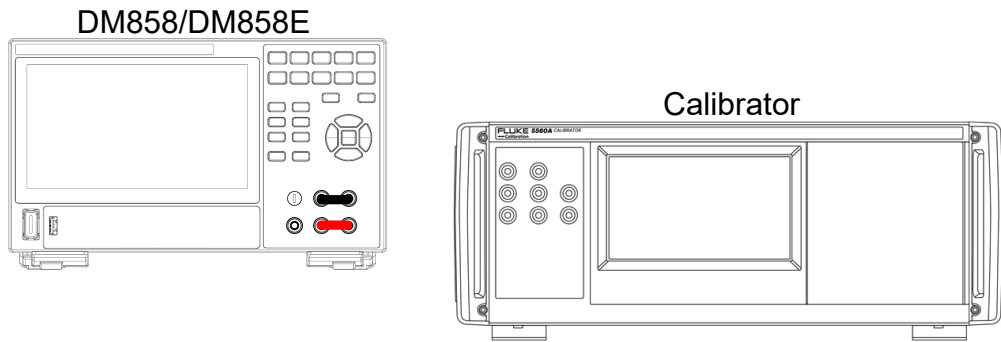


Figure 4.9 Short the HI, LO, HI-Sense, and LO-Sense terminals

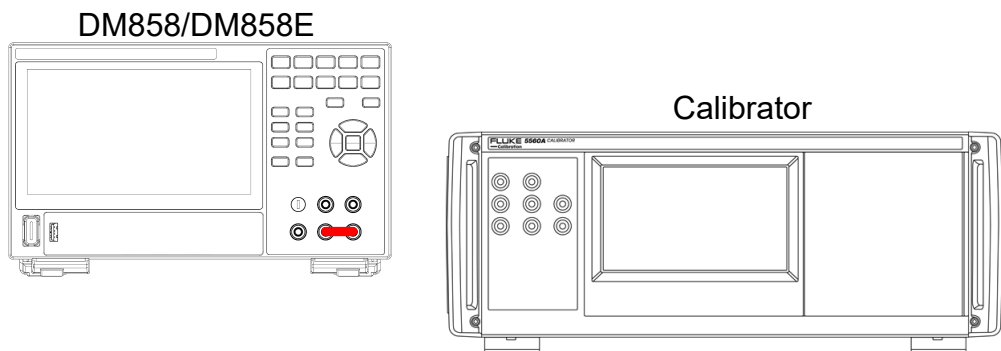


Figure 4.10 Short the HI and LO terminals

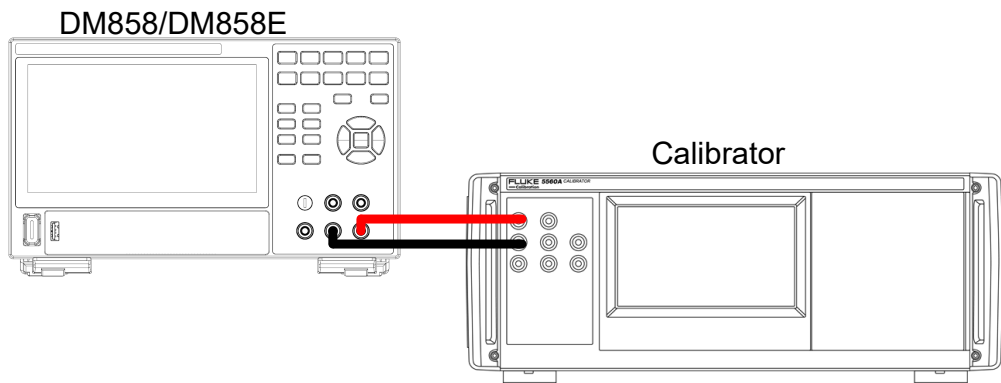
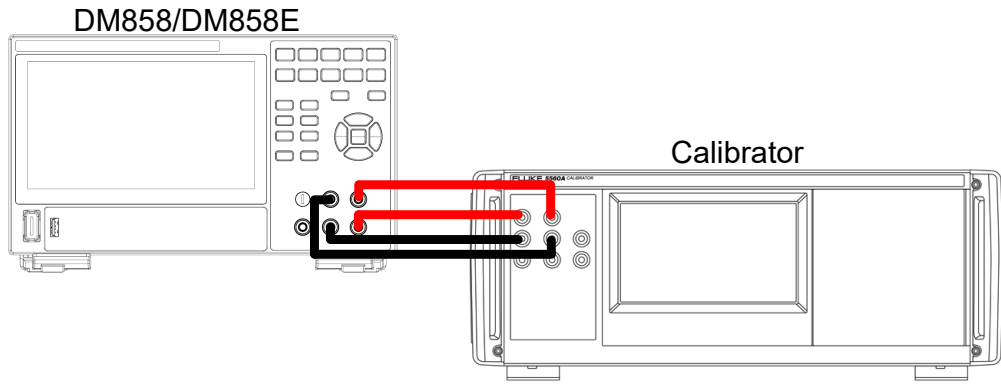
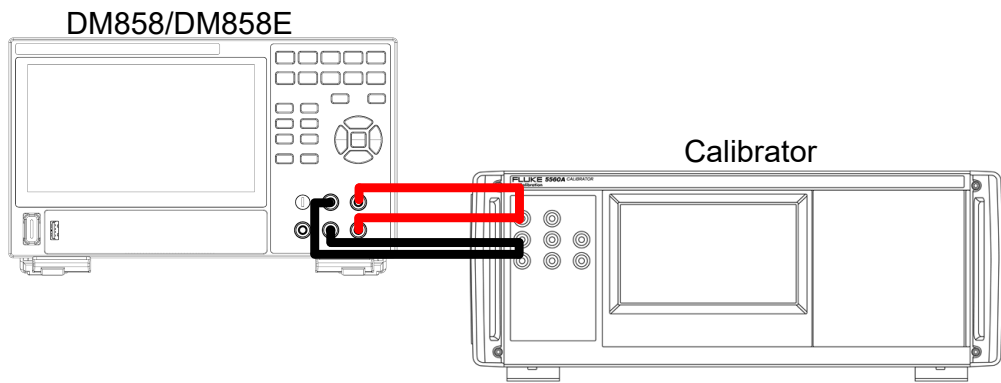


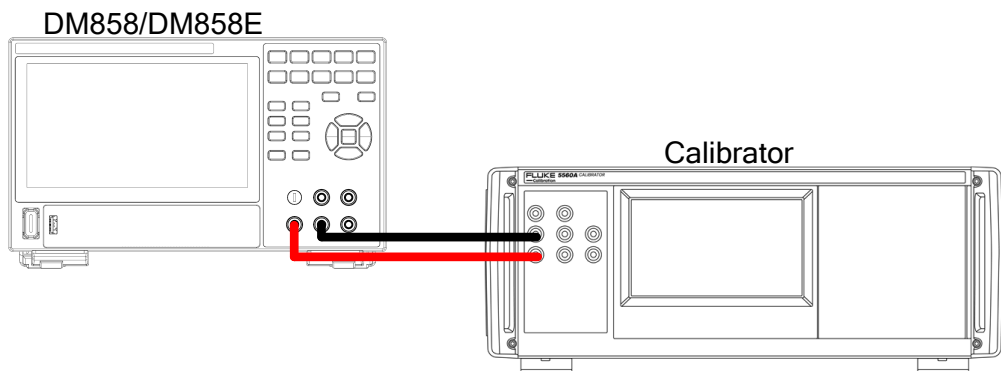
Figure 4.11 Connect DM and Calibrator in DCV/ACV/2WR/Cap/Freq Mode



**Figure 4.12 Connect DM and Calibrator in 4WR Mode**



**Figure 4.13 For 4WR, please connect DM and Calibrator in 2WR Mode**



**Figure 4.14 Connect DM and Calibrator in 2 A Current Mode**

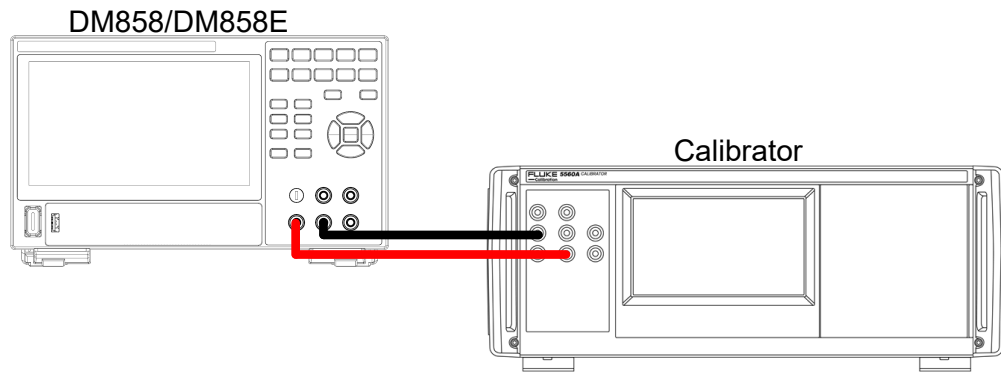


Figure 4.15 Connect DM and Calibrator in 10 A Current Mode

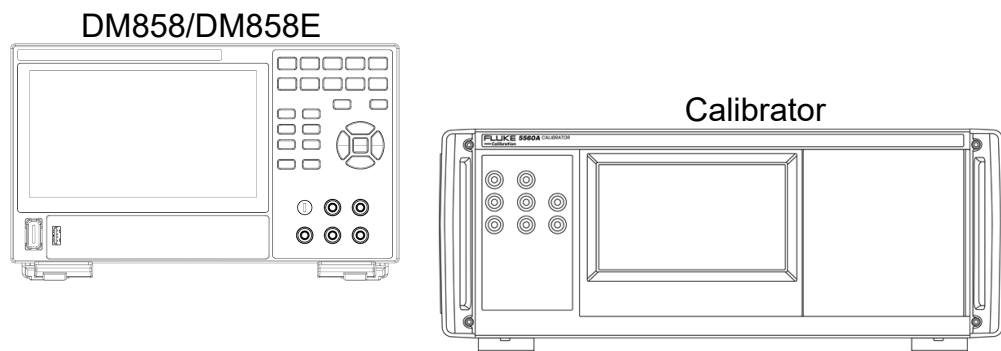


Figure 4.16 Remove all cables from the front panel of the multimeter

## 4.3 DM3058/DM3058E Calibration

### 4.3.1 DM3058/DM3058E Calibration Procedures

Before calibration, please read *Test Precautions* carefully. This section takes DM3058 as an example to describe the calibration procedures for the DM3058/DM3058E digital multimeters.

1. Configure the multimeter.
  1. Power on the multimeter and allow it to warm up for at least 90 minutes.
  2. Verify that the instrument software version is the latest version available on the RIGOL website.
2. Configure the calibrator (FLUKE 5520A or 5560A). Use a GPIB cable to connect the calibrator to the PC, and set the calibrator GPIB address to 8.
  - FLUKE 5520A: Press the "SETUP" key on the front panel, then use the front-panel keys to select "GPIB SETUP" and set the GPIB address to 8.
  - FLUKE 5560A: Select **Setup** > **System Settings** > **GPIB** to set the GPIB address to 8.

For detailed operating instructions, refer to the corresponding user manual for the FLUKE 5560A or 5520A. Note that after power-on, the calibrator shall be warmed up for 30 minutes. In addition, perform zero calibration once every 24 hours.

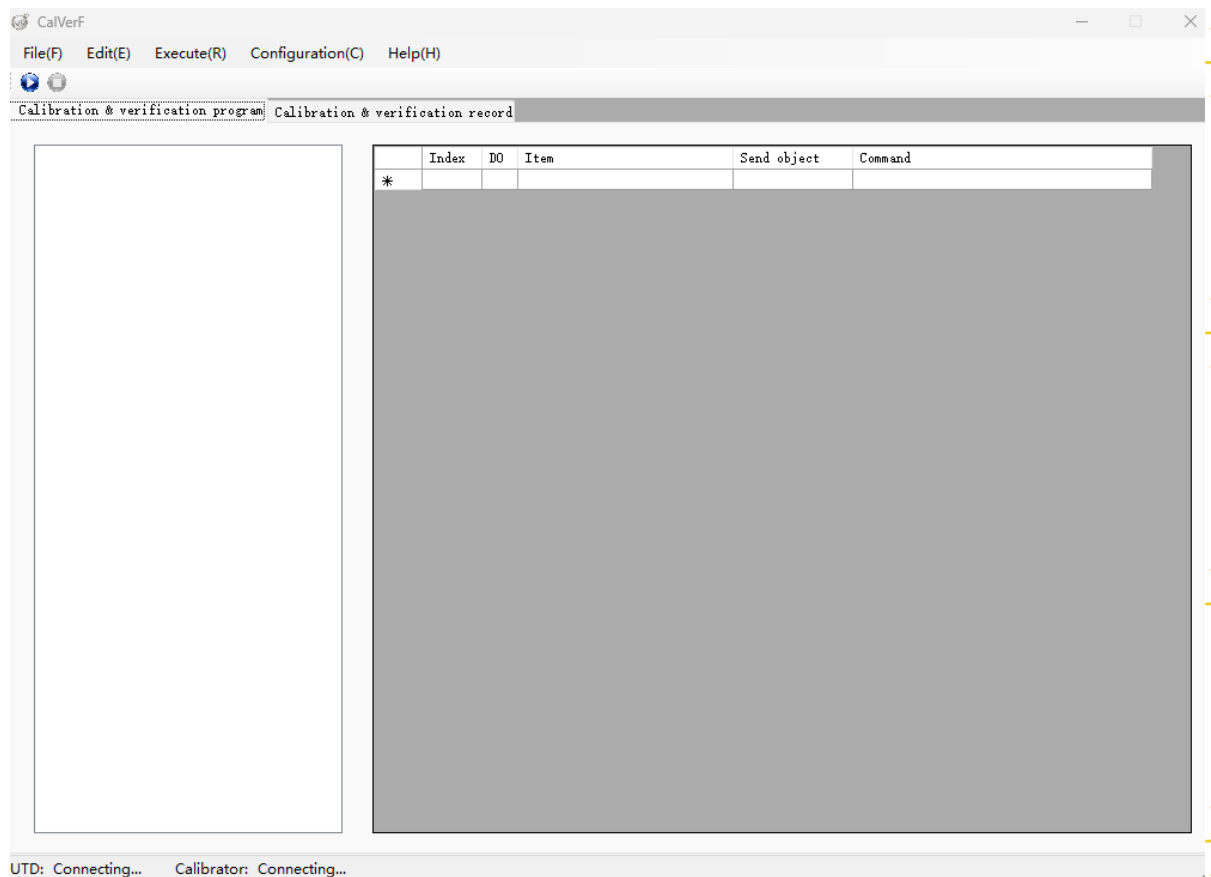
3. Connect the equipment. Use a USB cable to connect the multimeter to the PC. Move the multimeter into the calibration rack, connect it to the power source, and power it on. Note that the power-off time shall not exceed 1 minute during transfer.



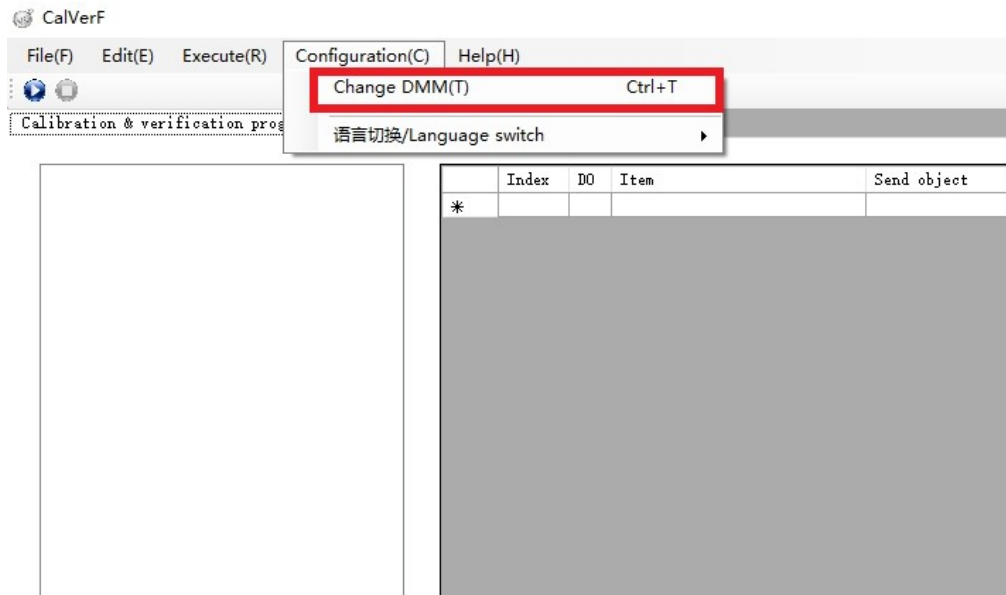
### CAUTION

**If the PC enters standby or sleep mode, the USB connection may be disconnected, which can interrupt the calibration process. Before starting calibration, check the PC power settings and make sure the computer will not automatically enter standby or sleep mode during long periods of inactivity.**

4. Open the calibration software. Run the SnipeCalVER calibration program as an administrator. The main interface is as shown below.

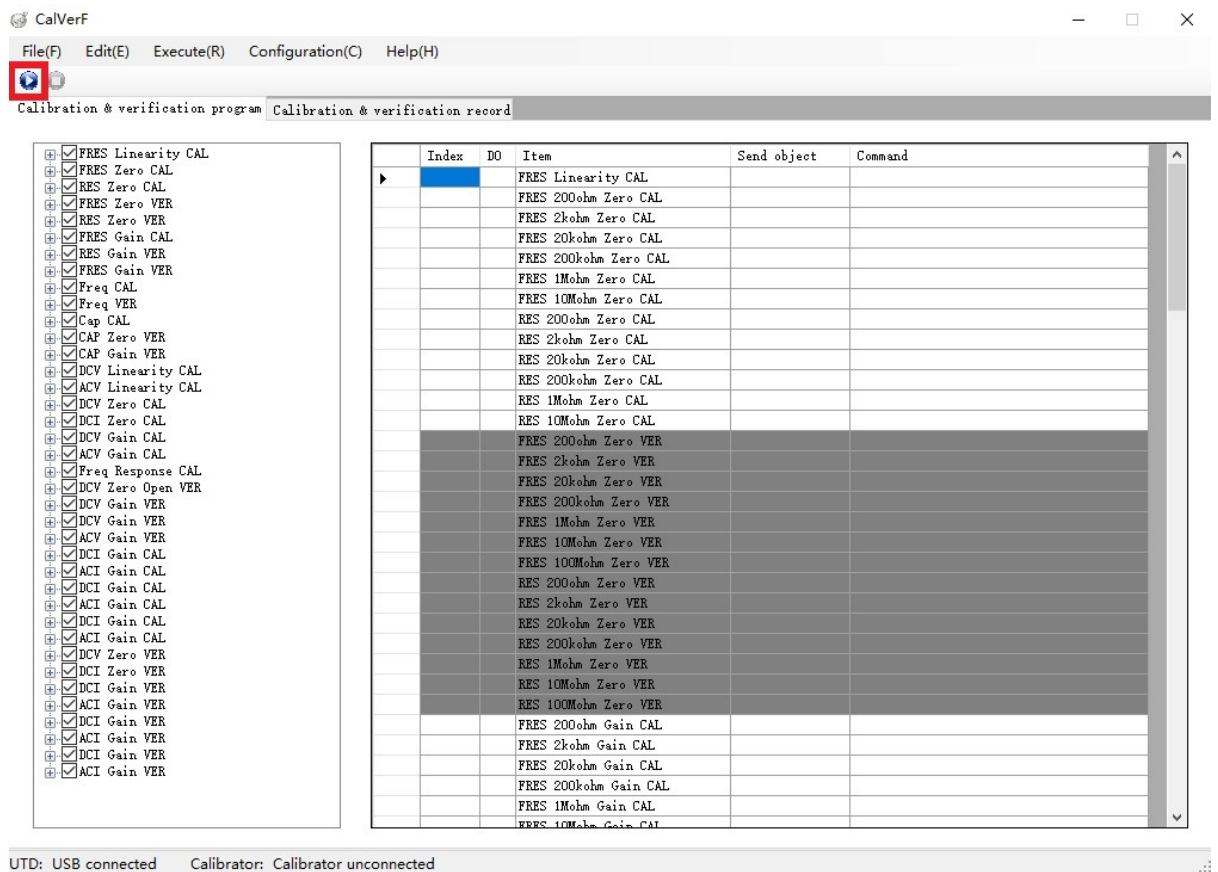


5. In the main interface, click **Configuration > Change DMM(T)**. After confirming that the USB connection to the multimeter and the GPIB connection to the calibrator are properly established, the software automatically identifies the multimeter model and reloads the corresponding calibration file.



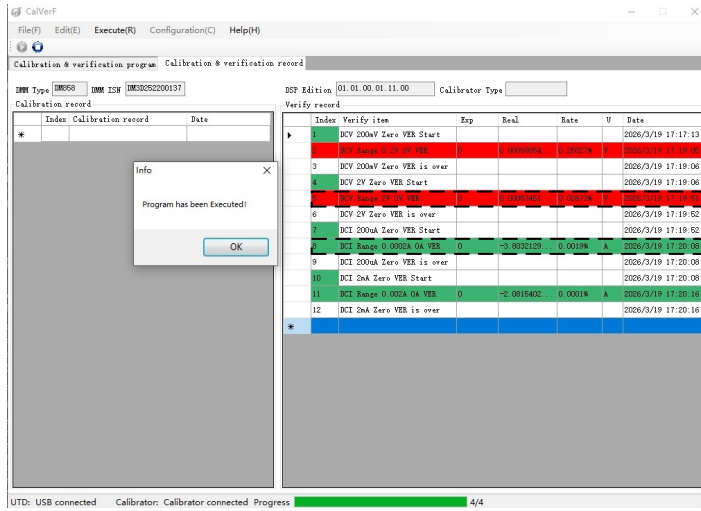
6. Start the calibration test.

- a. Click the start button to begin the calibration program.



- b. During the process, connection prompt windows are displayed for different test items. Follow the image in the windows to manually switch the cable connections between the multimeter and the calibrator. You can also refer to [DM3058/DM3058E Calibration Connection Reference](#) to complete the required connections.

7. After the calibration procedure is completed, the verification results are displayed, as shown in the figure below. In the verification record, items shown in green indicate that the verification passed, while items shown in red indicate that the verification failed and must be performed again.



← Red: indicates that verification failed.  
 ← Green: indicates that verification passed.

8. Click **File** > **Save result as Excel files(S)** to save the verification data to your PC. When the message "Operation complete." is displayed, you may remove the devices connected to the front panel of the multimeter.

### 4.3.2 DM3058/DM3058E Calibration Connection Reference

Refer to the figures below to connect the multimeter to the calibrator.

#### 4.3.2.1 DM3058/3058E to FLUKE 5520A Wiring

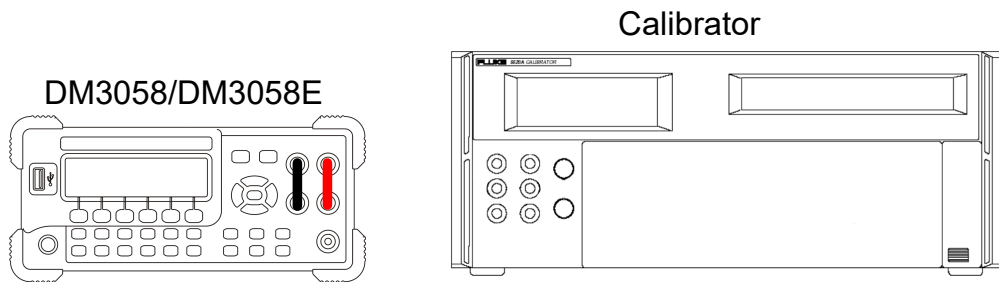


Figure 4.17 Short the HI, LO, HI-Sense, and LO-Sense terminals

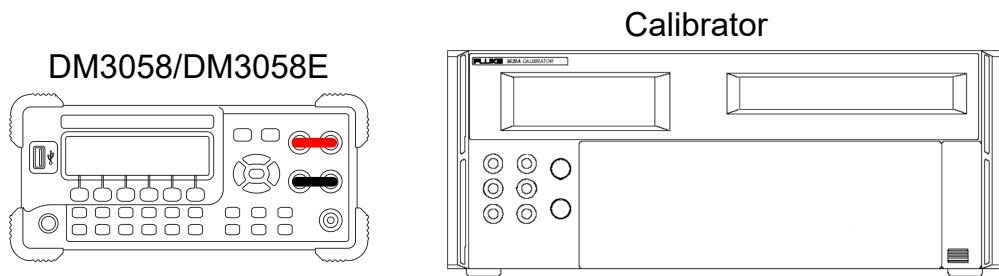
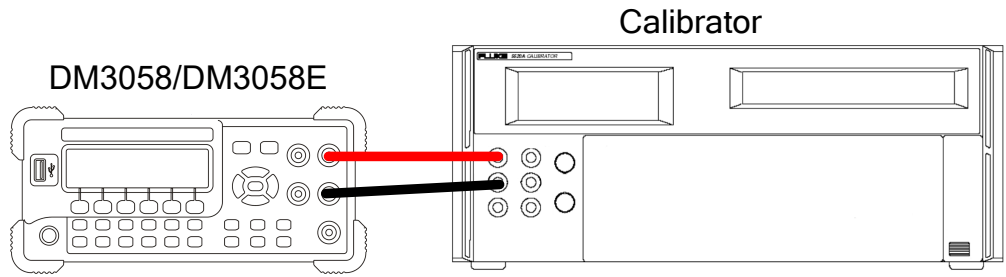
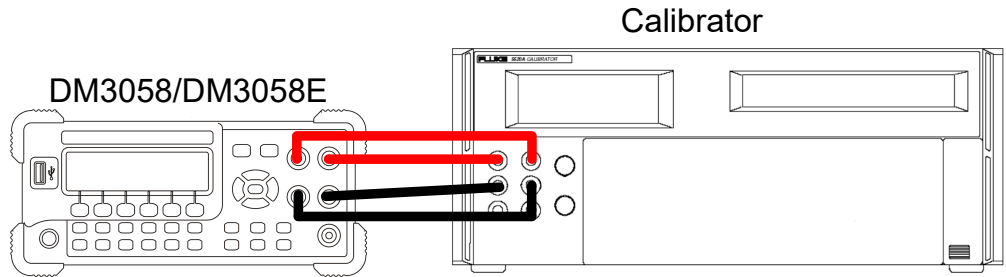


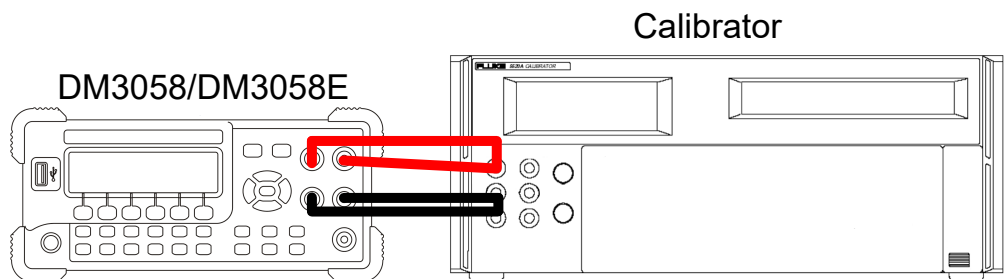
Figure 4.18 Short HI with HI-Sense, and LO with LO-Sense respectively



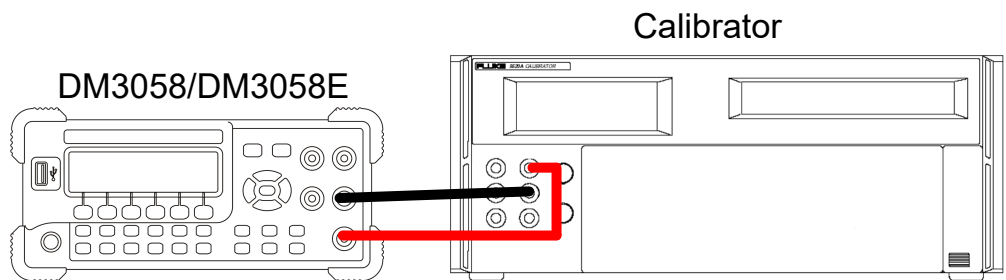
**Figure 4.19 Connect DM and Calibrator in DCV/ACV/2WR/Cap/Freq Mode**



**Figure 4.20 Connect DM and Calibrator in 4WR Mode**



**Figure 4.21 For 4WR, please connect DM and Calibrator in 2WR Mode**



**Figure 4.22 Connect DM and Calibrator in 2 A Current Mode**

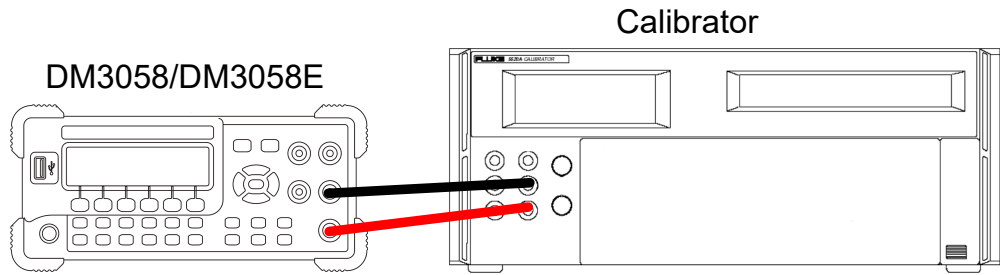


Figure 4.23 Connect DM and Calibrator in 10 A Current Mode

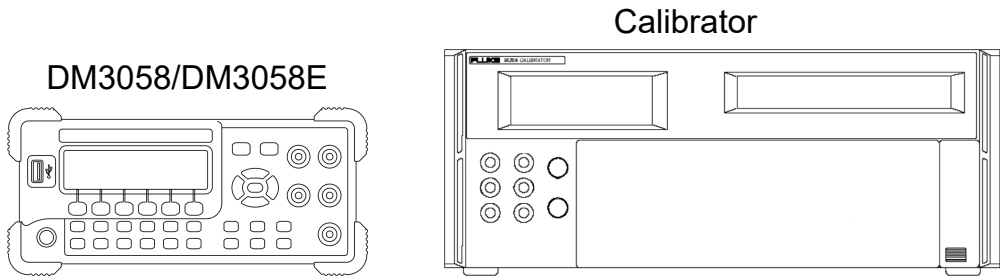


Figure 4.24 Remove all cables from the front panel of the multimeter

4.3.2.2 DM3058/3058E to FLUKE 5560A Wiring

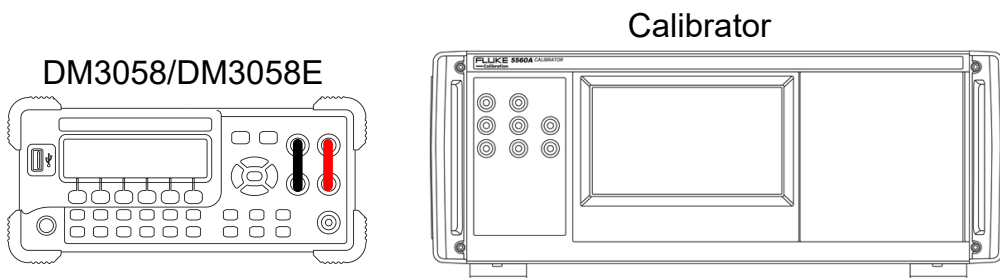


Figure 4.25 Short the HI, LO, HI-Sense, and LO-Sense terminals

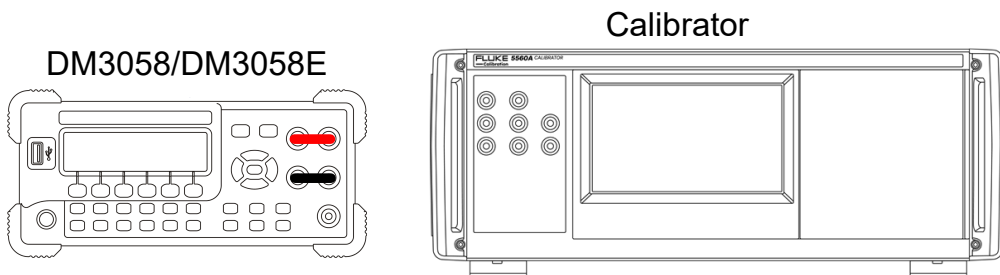


Figure 4.26 Short HI with HI-Sense, and LO with LO-Sense respectively

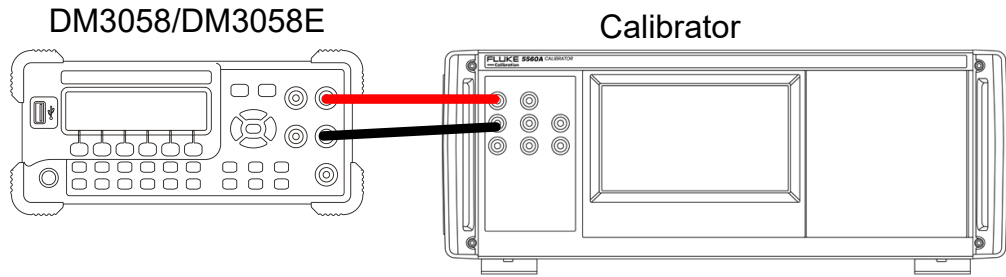


Figure 4.27 Connect DM and Calibrator in DCV/ACV/2WR/Cap/Freq Mode

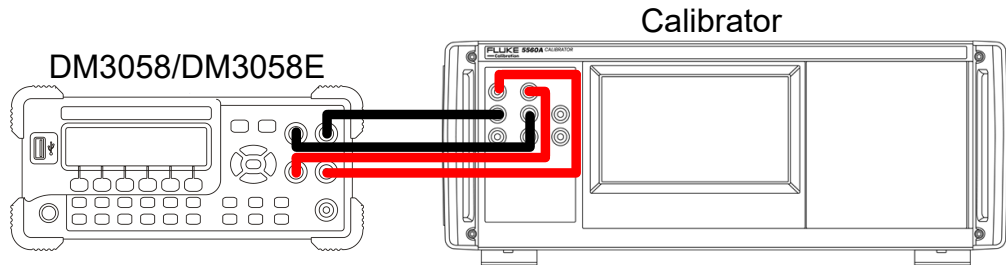


Figure 4.28 Connect DM and Calibrator in 4WR Mode

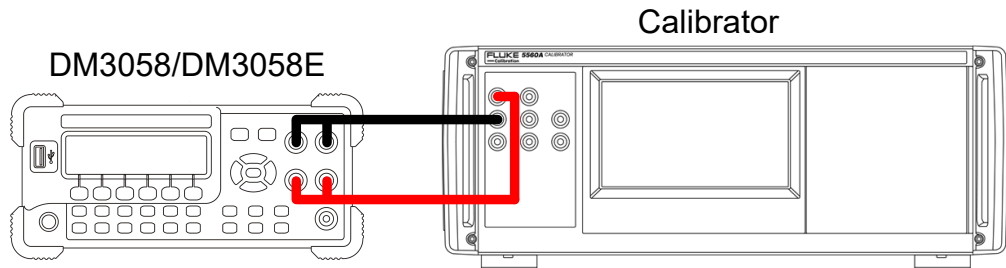


Figure 4.29 For 4WR, please connect DM and Calibrator in 2WR Mode

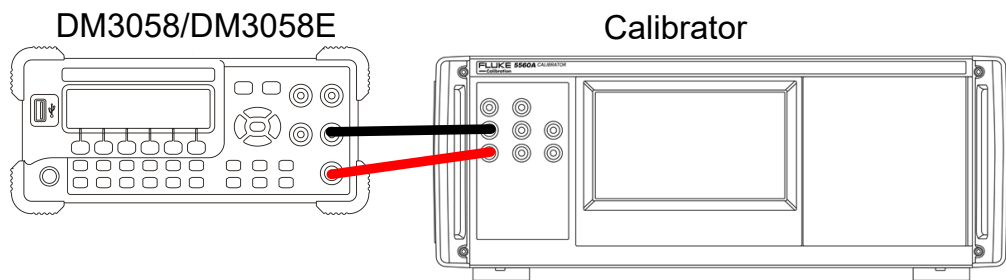


Figure 4.30 Connect DM and Calibrator in 2 A Current Mode

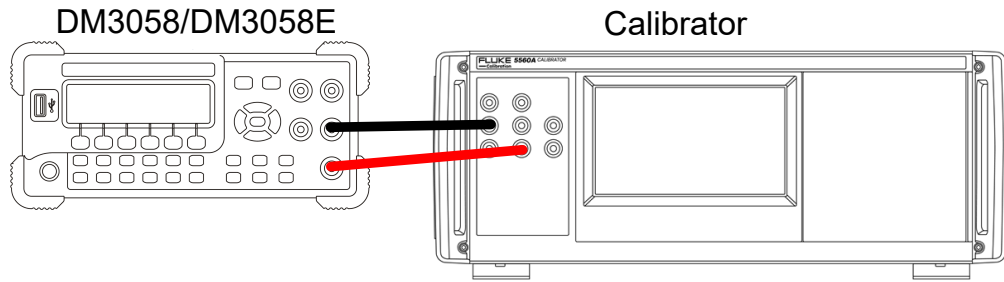


Figure 4.31 Connect DM and Calibrator in 10 A Current Mode

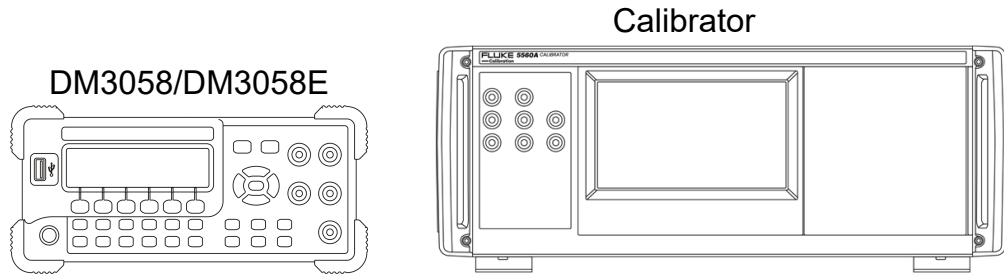


Figure 4.32 Remove all cables from the front panel of the multimeter

## 4.4 DM3068 Calibration

### 4.4.1 DM3068 Calibration Procedures

Before calibration, please read *Test Precautions* carefully and follow the steps below to calibrate the DM3068.

1. Configure the multimeter.

1. Power on the multimeter and allow it to warm up for at least 90 minutes.
2. Verify that the instrument software version is the latest version available on the RIGOL website.

2. Configure the calibrator (FLUKE 5520A or 5560A). Use a GPIB cable to connect the calibrator to the PC, and set the calibrator GPIB address to 8.

- FLUKE 5520A: Press the "SETUP" key on the front panel, then use the front-panel keys to select "GPIB SETUP" and set the GPIB address to 8.
- FLUKE 5560A: Select **Setup** > **System Settings** > **GPIB** to set the GPIB address to 8.

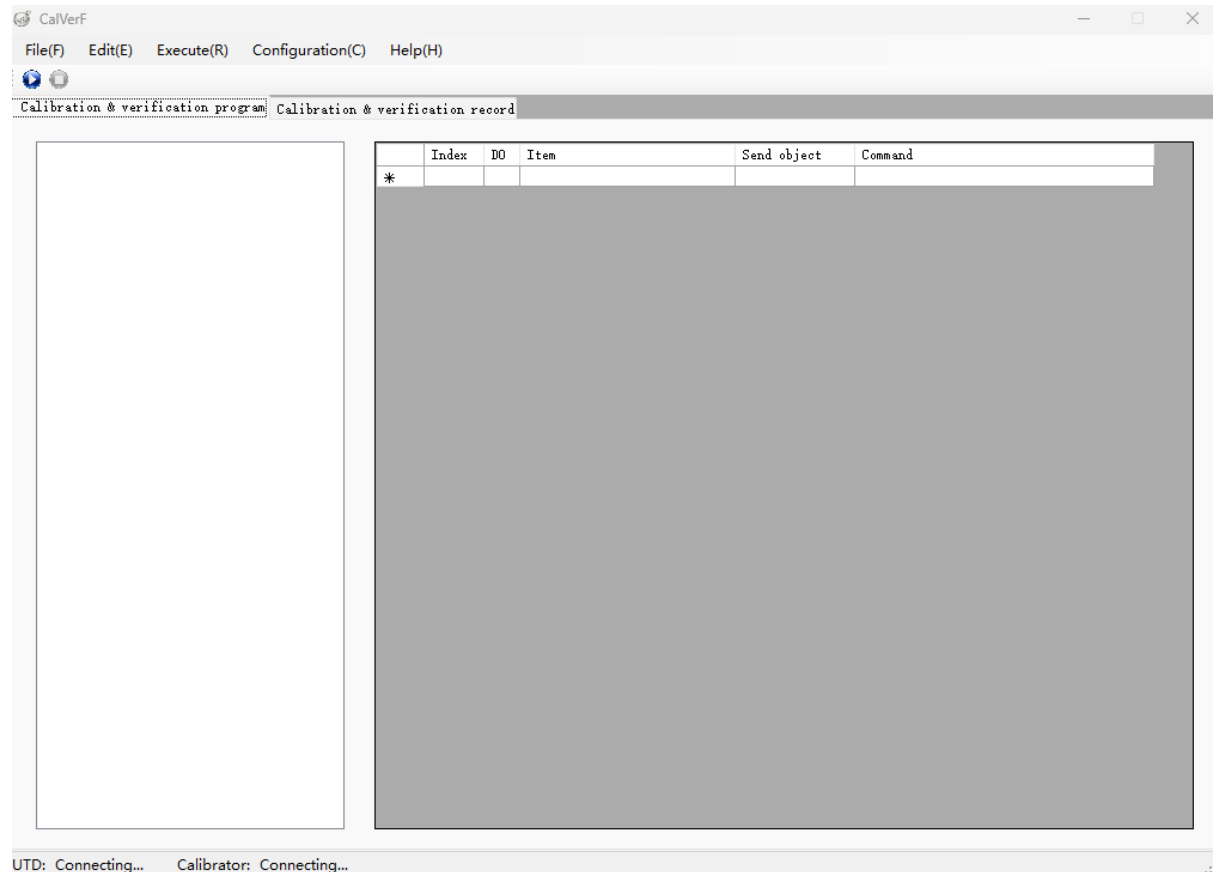
For detailed operating instructions, refer to the corresponding user manual for the FLUKE 5560A or 5520A. Note that after power-on, the calibrator shall be warmed up for 30 minutes. In addition, perform zero calibration once every 24 hours.

3. Connect the equipment. Use a USB cable to connect the multimeter to the PC. Move the multimeter into the calibration rack, connect it to the power source, and power it on. Note that the power-off time shall not exceed 1 minute during transfer.

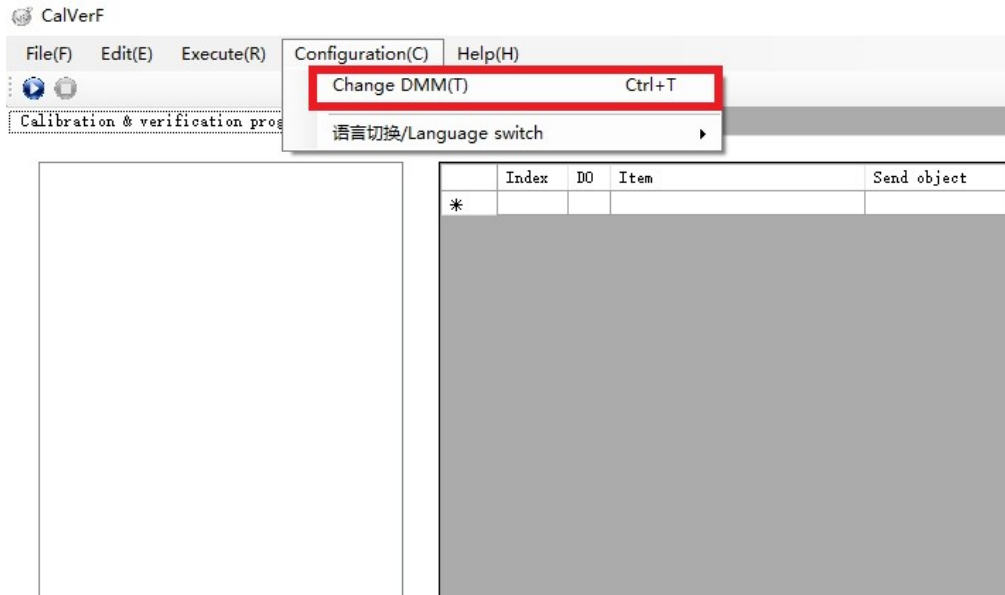
**CAUTION**

If the PC enters standby or sleep mode, the USB connection may be disconnected, which can interrupt the calibration process. Before starting calibration, check the PC power settings and make sure the computer will not automatically enter standby or sleep mode during long periods of inactivity.

4. Open the calibration software. Run the SnipeCalVER calibration program as an administrator. The main interface is as shown below.

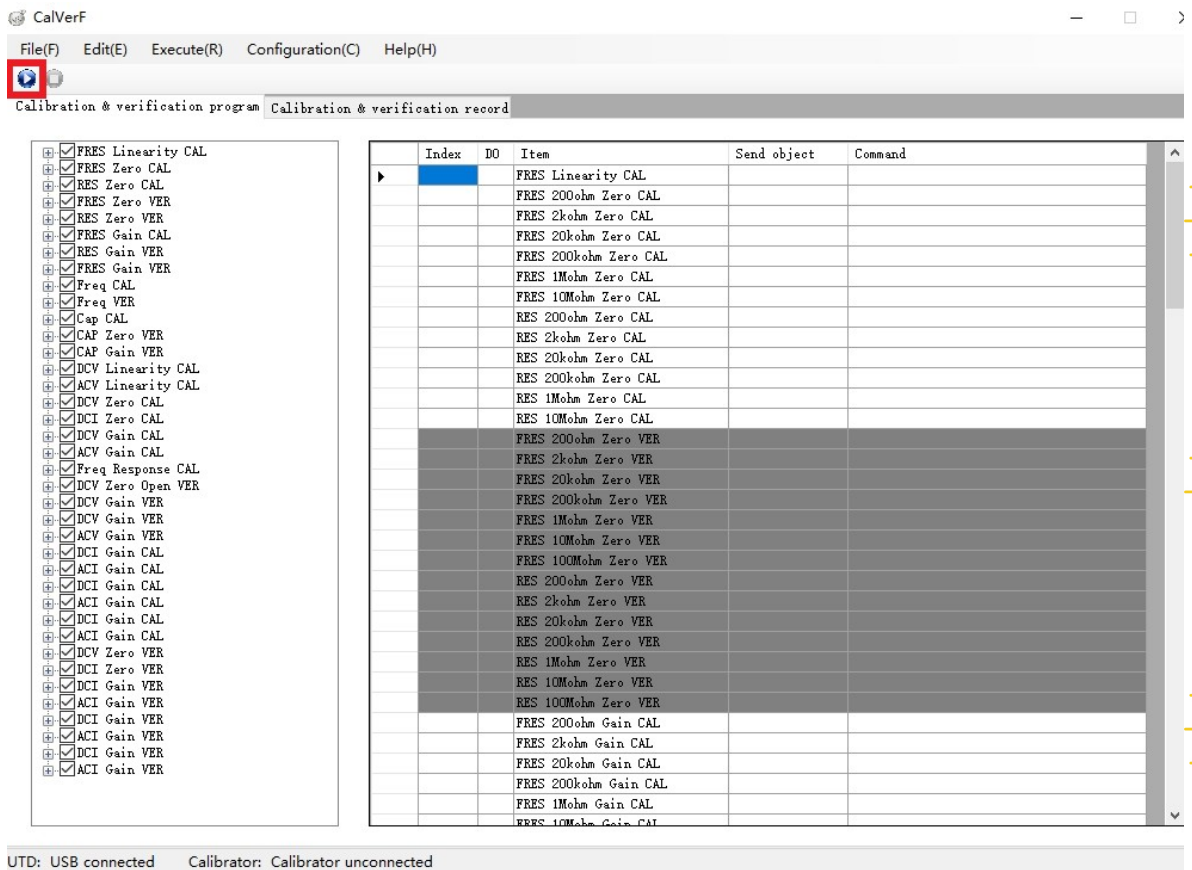


5. In the main interface, click **Configuration > Change DMM(T)**. After confirming that the USB connection to the multimeter and the GPIB connection to the calibrator are properly established, the software automatically identifies the multimeter model and reloads the corresponding calibration file.



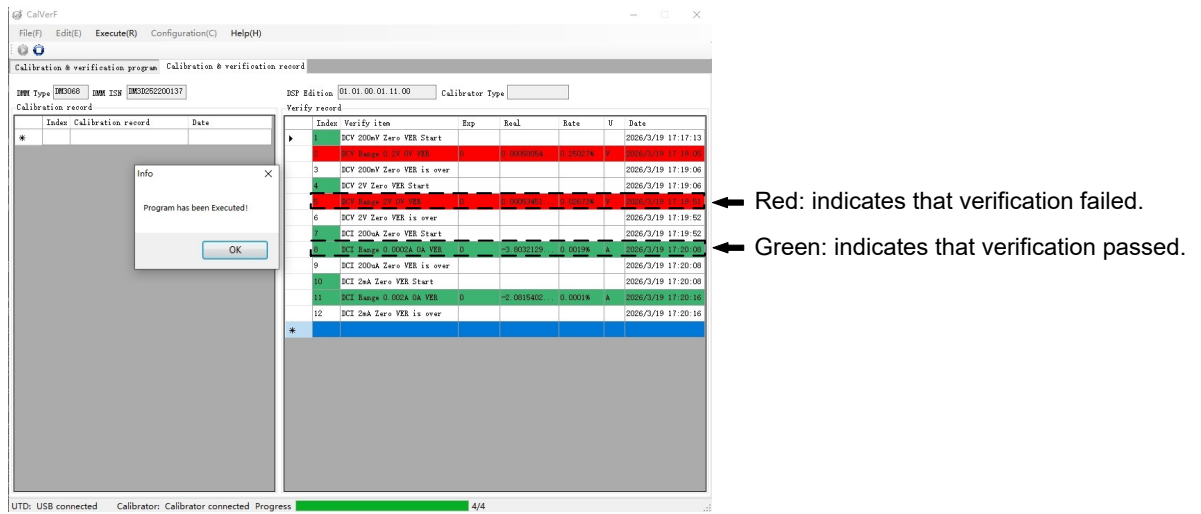
6. Start the calibration test.

- a. Click the start button to begin the calibration program.



- b. During the process, connection prompt windows are displayed for different test items. Follow the image in the windows to manually switch the cable connections between the multimeter and the calibrator. You can also refer to [DM3068 Calibration Connection Reference](#) to complete the required connections.

7. After the calibration procedure is completed, the verification results are displayed, as shown in the figure below. In the verification record, items shown in green indicate that the verification passed, while items shown in red indicate that the verification failed and must be performed again.



8. Click **File** > **Save result as Excel files(S)** to save the verification data to your PC. When the message "Operation complete." is displayed, you may remove the devices connected to the front panel of the multimeter.

## 4.4.2 DM3068 Calibration Connection Reference

Refer to the figures below to connect the multimeter to the calibrator.

### 4.4.2.1 DM3068 to FLUKE 5520A Wiring

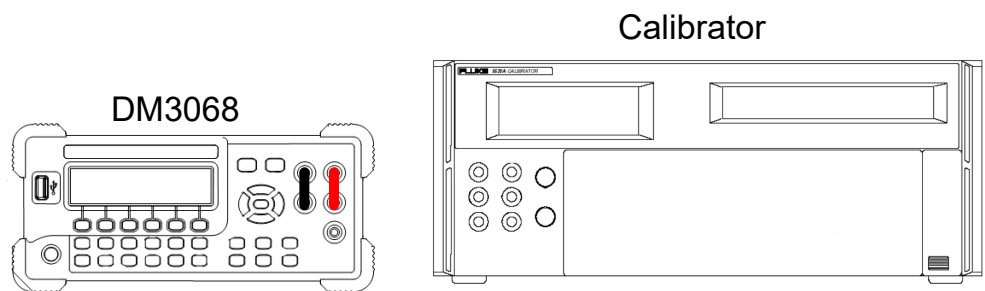


Figure 4.33 Short the HI, LO, HI-Sense, and LO-Sense terminals

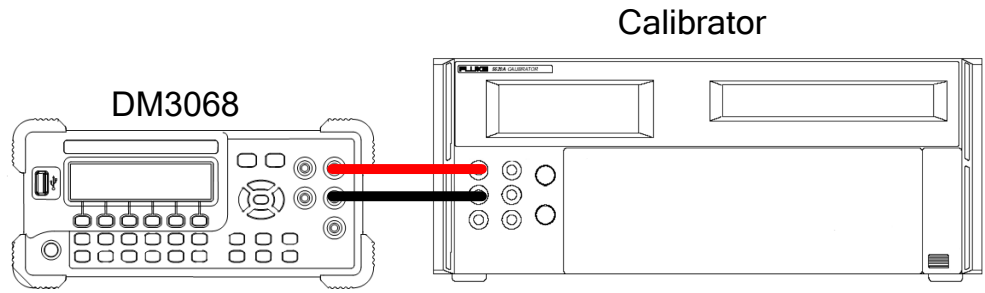


Figure 4.34 Connect DM and Calibrator in DCV/ACV/2WR/Cap/Freq Mode

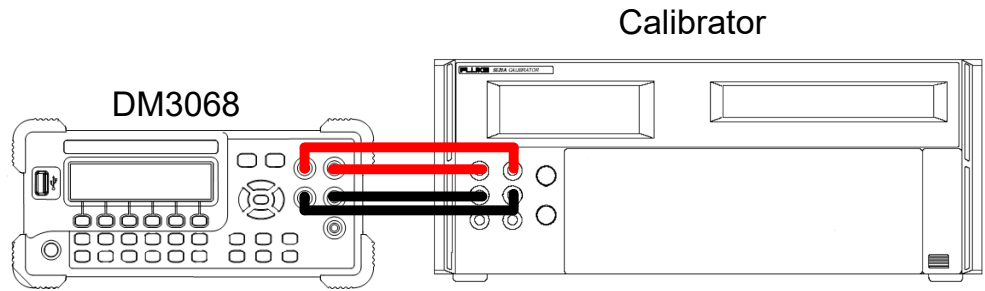


Figure 4.35 Connect DM and Calibrator in 4WR Mode

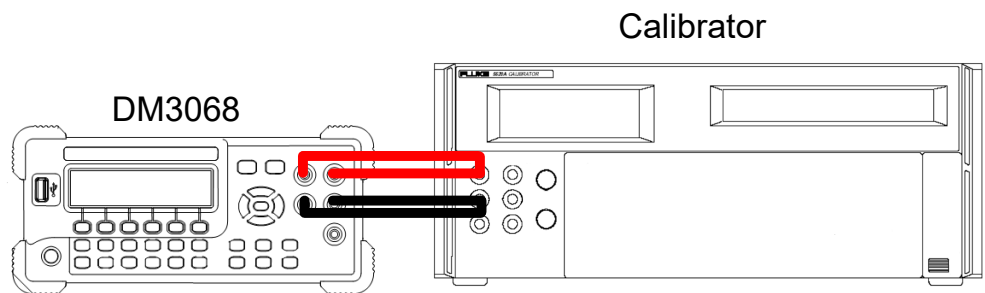


Figure 4.36 For 4WR, please connect DM and Calibrator in 2WR Mode

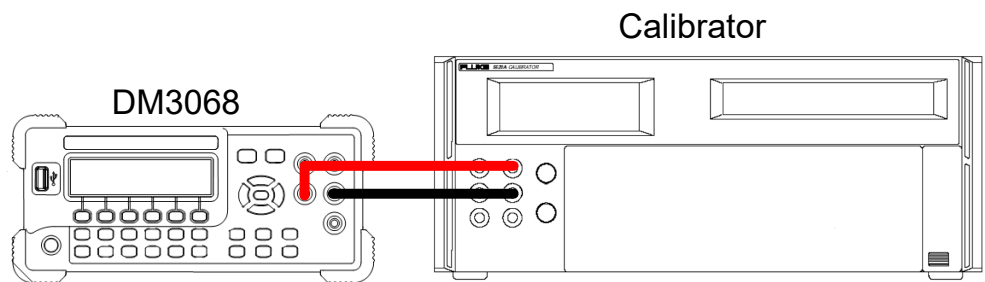
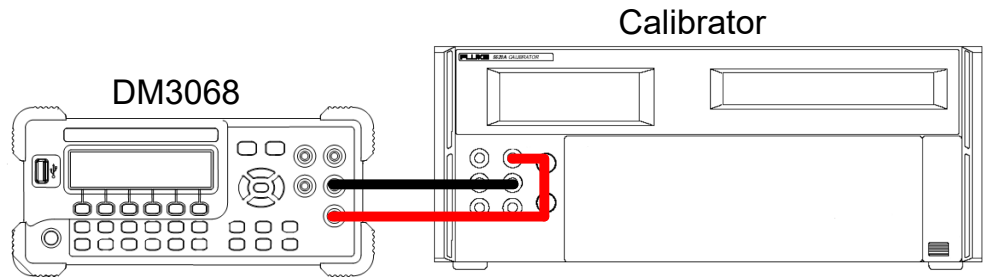
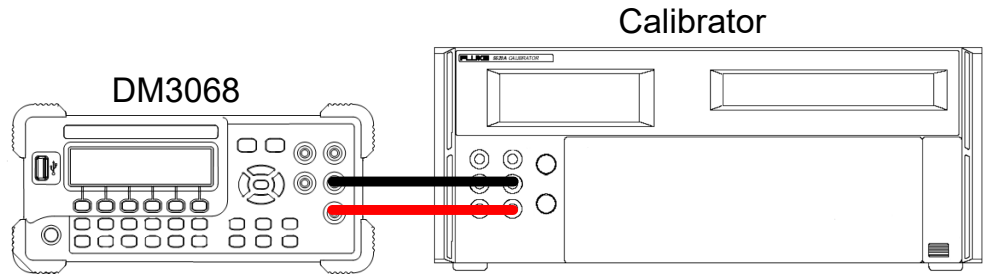


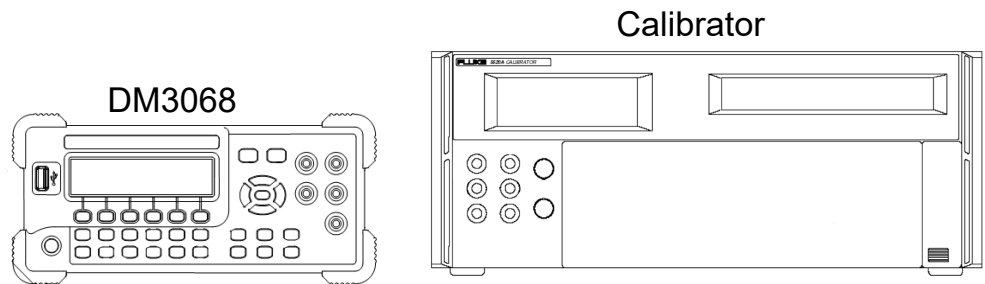
Figure 4.37 Connect DM and Calibrator in 200 mA Current Mode



**Figure 4.38 Connect DM and Calibrator in 2 A Current Mode**

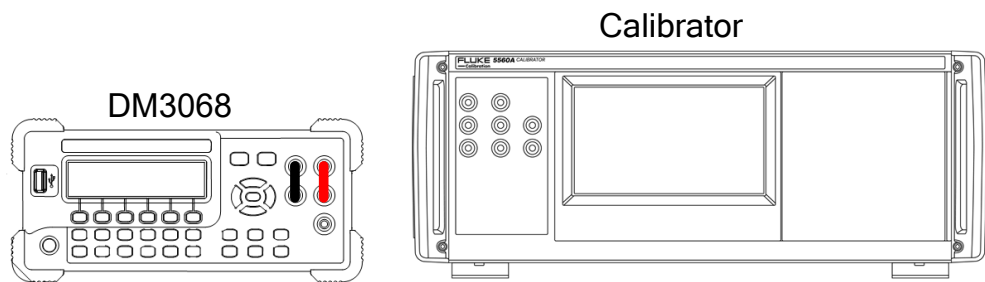


**Figure 4.39 Connect DM and Calibrator in 10 A Current Mode**

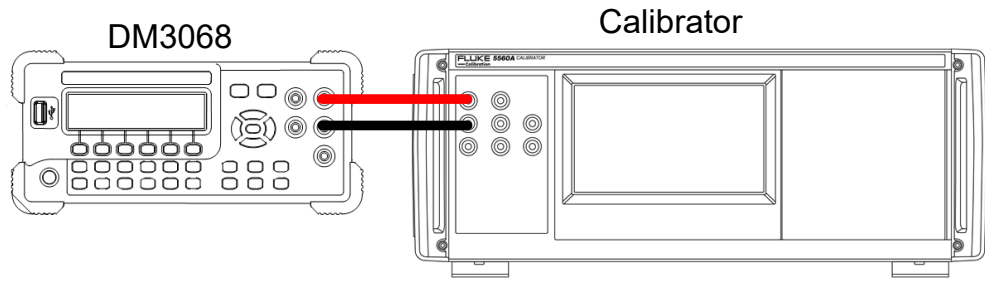


**Figure 4.40 Remove all cables from the front panel of the multimeter**

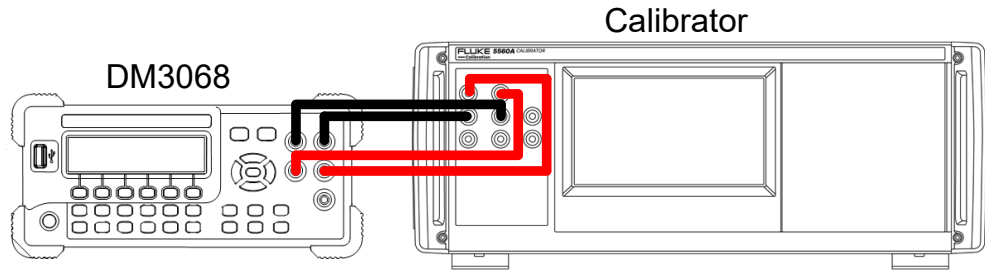
**4.4.2.2 DM3068 to FLUKE 5560A Wiring**



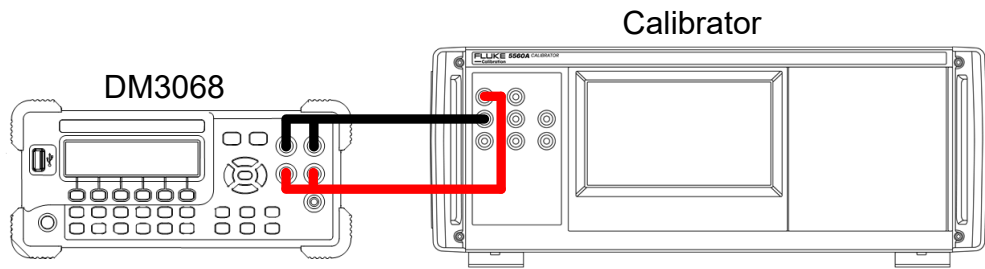
**Figure 4.41 Short the HI, LO, HI-Sense, and LO-Sense terminals**



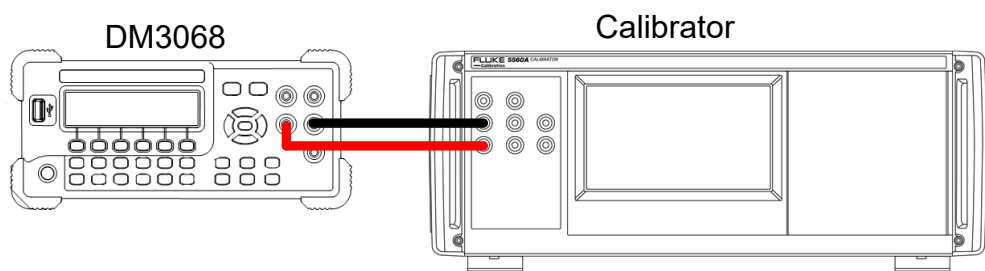
**Figure 4.42 Connect DM and Calibrator in DCV/ACV/2WR/Cap/Freq Mode**



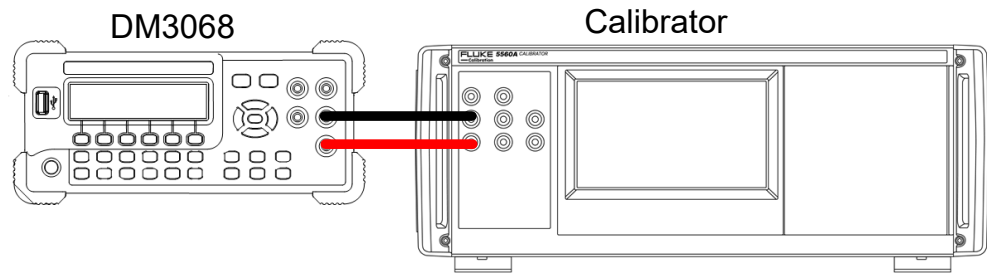
**Figure 4.43 Connect DM and Calibrator in 4WR Mode**



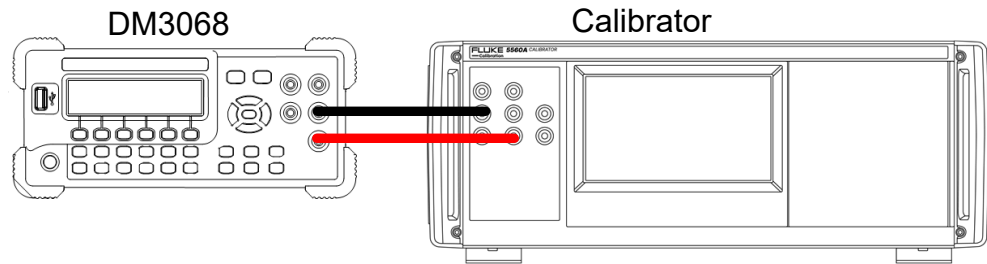
**Figure 4.44 For 4WR, please connect DM and Calibrator in 2WR Mode**



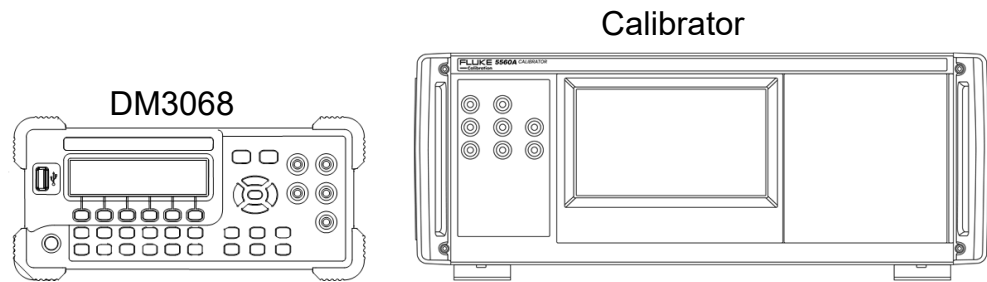
**Figure 4.45 Connect DM and Calibrator in 200 mA Current Mode**



**Figure 4.46 Connect DM and Calibrator in 2 A Current Mode**



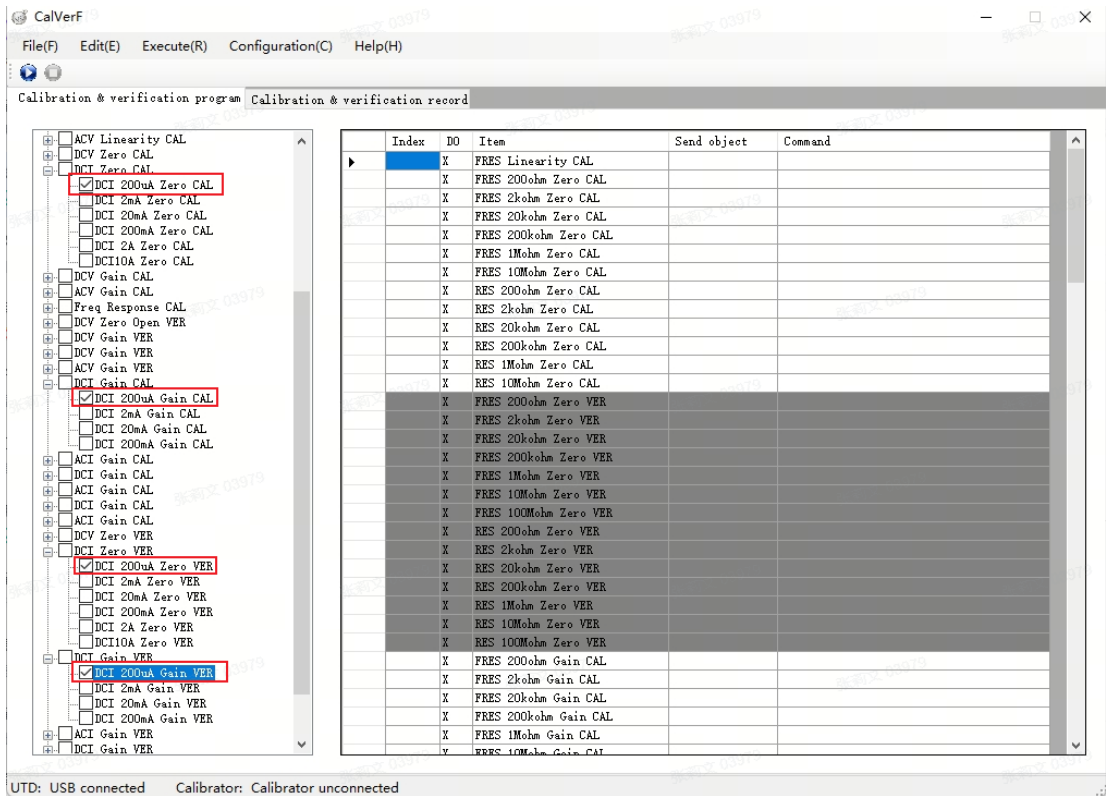
**Figure 4.47 Connect DM and Calibrator in 10 A Current Mode**



**Figure 4.48 Remove all cables from the front panel of the multimeter**

# 5 Recalibration

If any individual verification item fails, that item may be recalibrated and reverified separately. During this process, be sure to select the corresponding zero-calibration and gain-calibration verification items.



## 6 Verification Report

The verification report is as shown in the figure below.

Index	Verify item	Exp	Real	Rate	Range	Unit	Date	RealDiff	AllowDiff	DiffRate
1	DCI 200uA Zero VER Start						2026/3/19 17:13			
2	DCI Range 0.0002A 0A VER	0	-2.10E-09	0.00%	0.0002 A		2026/3/19 17:14	2.10E-09	2.40E-08	0.0875
3	DCI 200uA Zero VER is over						2026/3/19 17:14			
4	DCI 2mA Zero VER Start						2026/3/19 17:14			
5	DCI Range 0.002A 0A VER	0	-2.70E-09	0.00%	0.002 A		2026/3/19 17:14	2.70E-09	6.00E-08	0.045
6	DCI 2mA Zero VER is over						2026/3/19 17:14			
7	DCI 20mA Zero VER Start						2026/3/19 17:14			
8	DCI Range 0.02A 0A VER	0	-2.35E-07	0.00%	0.02 A		2026/3/19 17:14	2.35E-07	2.40E-06	0.0977
9	DCI 20mA Zero VER is over						2026/3/19 17:14			

The columns in the report are defined as follows:

- **Verify item:** the verification item and its corresponding verification point
- **Real:** the measured value at the verification point
- **RealDiff:** the deviation between the measured value and the ideal value at the verification point
- **AllowDiff:** the maximum allowable deviation at the current verification point If RealDiff is within AllowDiff, the verification passes and this column is highlighted in green in the verification report. If the result is outside AllowDiff, the verification fails and the column is highlighted in red. In this case, reverification is required, as shown in the figure below.

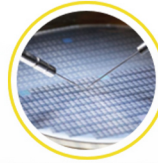
2	DCV Range 0.2V 0V VER	0	0.000488987	0.24%	0.2 V		2026/3/19 17:45	0.000488987	4.00E-06	122.2467
3	DCV 200mV Zero VER is over						2026/3/19 17:45			
4	DCV 2V Zero VER Start						2026/3/19 17:45			
5	DCV Range 2V 0V VER	0	0.000518683	0.03%	2 V		2026/3/19 17:45	0.000518683	1.00E-05	51.8683

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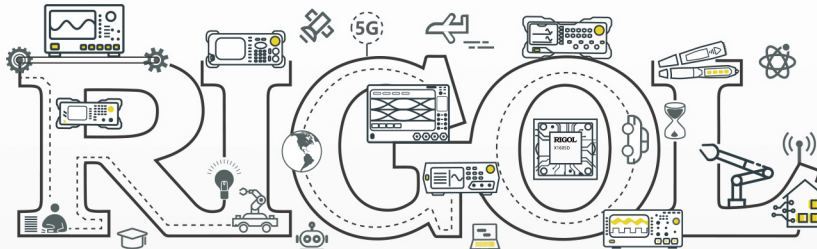
Industrial Intelligent  
Manufacturing



Semiconductors

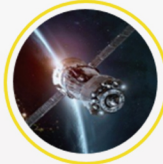


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