

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

772/773

Milliamp Process Clamp Meter

Calibration Manual

LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for 3 years (one year for cable and clamp) from the date of purchase. Parts, product repairs, and services are warranted for 90 days. This warranty extends only to the original buyer or end-user customer of a Fluke authorized reseller, and does not apply to fuses, disposable batteries, or to any product which, in Fluke's opinion, has been misused, altered, neglected, contaminated, or damaged by accident or abnormal conditions of operation or handling. Fluke warrants that software will operate substantially in accordance with its functional specifications for 90 days and that it has been properly recorded on non-defective media. Fluke does not warrant that software will be error free or operate without interruption.

Fluke authorized resellers shall extend this warranty on new and unused products to end-user customers only but have no authority to extend a greater or different warranty on behalf of Fluke. Warranty support is available only if product is purchased through a Fluke authorized sales outlet or Buyer has paid the applicable international price. Fluke reserves the right to invoice Buyer for importation costs of repair/replacement parts when product purchased in one country is submitted for repair in another country.

Fluke's warranty obligation is limited, at Fluke's option, to refund of the purchase price, free of charge repair, or replacement of a defective product which is returned to a Fluke authorized service center within the warranty period.

To obtain warranty service, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that service center, with a description of the difficulty, postage and insurance prepaid (FOB Destination). Fluke assumes no risk for damage in transit. Following warranty repair, the product will be returned to Buyer, transportation prepaid (FOB Destination). If Fluke determines that failure was caused by neglect, misuse, contamination, alteration, accident, or abnormal condition of operation or handling, including overvoltage failures caused by use outside the product's specified rating, or normal wear and tear of mechanical components, Fluke will provide an estimate of repair costs and obtain authorization before commencing the work. Following repair, the product will be returned to the Buyer transportation prepaid and the Buyer will be billed for the repair and return transportation charges (FOB Shipping Point).

THIS WARRANTY IS BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FLUKE SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE OR THEORY.

Since some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to every buyer. If any provision of this Warranty is held invalid or unenforceable by a court or other decision-maker of competent jurisdiction, such holding will not affect the validity or enforceability of any other provision.

Fluke Corporation
P.O. Box 9090
Everett, WA 98206-9090
U.S.A.

Fluke Europe B.V.
P.O. Box 1186
5602 BD Eindhoven
The Netherlands

Table of Contents

Title	Page
Introduction.....	1
How to Contact Fluke.....	2
Safety Information.....	2
Symbols.....	4
Specifications.....	4
Electrical Specifications.....	4
DC Current Measurement.....	4
DC Voltage Measurement (773).....	4
DC Voltage Source (773).....	5
mA DC IN/OUT (773).....	5
Scaled mA DC Current Output to mA Current Input from the Jaw (773).....	5
General Specifications.....	5
Mechanical Specifications.....	5
Environmental Specifications.....	5
Standards and Agency Approval Specifications.....	5
Other Specifications.....	5
Basic Maintenance.....	6
How to Clean the Meter.....	6
Battery Replacement.....	6
Performance Tests.....	7
Required Equipment.....	7
How to Test the Batteries.....	8
How to Test the Display.....	8
Display Hold Test.....	8
Backlight Test.....	8
Measurement Spotlight LED Test.....	8
Accuracy Tests.....	9
mA DC Clamp Measure Accuracy Tests.....	9
mA DC Measure Accuracy Tests.....	9
Volts DC Measure Accuracy Tests.....	10
mA DC Source Accuracy Tests.....	10
Volts DC Source Accuracy Tests.....	10
Calibration Adjustment.....	10
Calibration Error Messages.....	12
mA DC Clamp Measure Adjustment Procedure.....	13
mA DC Measure Adjustment Procedure.....	13
Volts DC Measure Adjustment Procedure.....	13
mA DC Source Adjust Procedure.....	14
Volts DC Source Adjust Procedure (773 Only).....	14
Replaceable Parts.....	15

List of Tables

Table	Title	Page
1.	Symbols.....	4
2.	Required Equipment.....	7
3.	Calibration Functions.....	11
4.	Calibration Adjustments.....	12
5.	Error Messages.....	12
6.	Clamp Measure Adjustment Procedure.....	13
7.	mA Measure Adjustment Procedure.....	13
8.	Volt Measure Adjustment Procedure.....	13
9.	mA Source Adjustment Procedure.....	14
10.	Volt Source Adjustment Procedure.....	14
11.	Replaceable Parts.....	15

List of Figures

Figure	Title	Page
1.	Tactile Barrier	3
2.	Battery Replacement	7
3.	Display Test	8
4.	Accessing the Calibration Button.....	11
5.	Replaceable Parts	16

Introduction

⚠ ⚠ Warning

To prevent electrical shock or personal injury, do not do the calibration verification tests or calibration procedures in this manual unless you are qualified.

The data in this manual is for qualified personnel only.

This manual tells you about verification and adjustment procedures for the 772/773 Milliamp Process Clamp Meter (referred to in this manual as the Meter). The Meter features closed-case calibration to use with reference sources. It measures the reference signals, calculates the correction factors, and keeps them in memory. Calibration adjustment is required after a repair, or if the Meter fails a performance test.

This manual explains:

- Precautions and Safety Information
- Specifications
- Basic Maintenance
- Calibration/Verification Procedure
- Replaceable Parts and Accessories

For complete use instructions, refer to the *772/773 Instruction Sheet*.

How to Contact Fluke

To contact Fluke, call one of the following telephone numbers:

- Technical Support USA: 1-800-44-FLUKE (1-800-443-5853)
- Calibration/Repair USA: 1-888-99-FLUKE (1-888-993-5853)
- Canada: 1-800-36-FLUKE (1-800-363-5853)
- Europe: +31 402-675-200
- Japan: +81-3-3434-0181
- Singapore: +65-738-5655
- Anywhere in the world: +1-425-446-5500

Or, visit Fluke's website at www.fluke.com.

To register your product, visit <http://register.fluke.com>.

To view, print, or download the latest manual supplement, visit <http://us.fluke.com/usen/support/manuals>.

Safety Information

In this manual, a **Warning** identifies conditions and procedures that are hazardous to the user. A **Caution** identifies conditions and procedures that could cause Meter damage, equipment under test damage, or permanent loss of data.

Warning

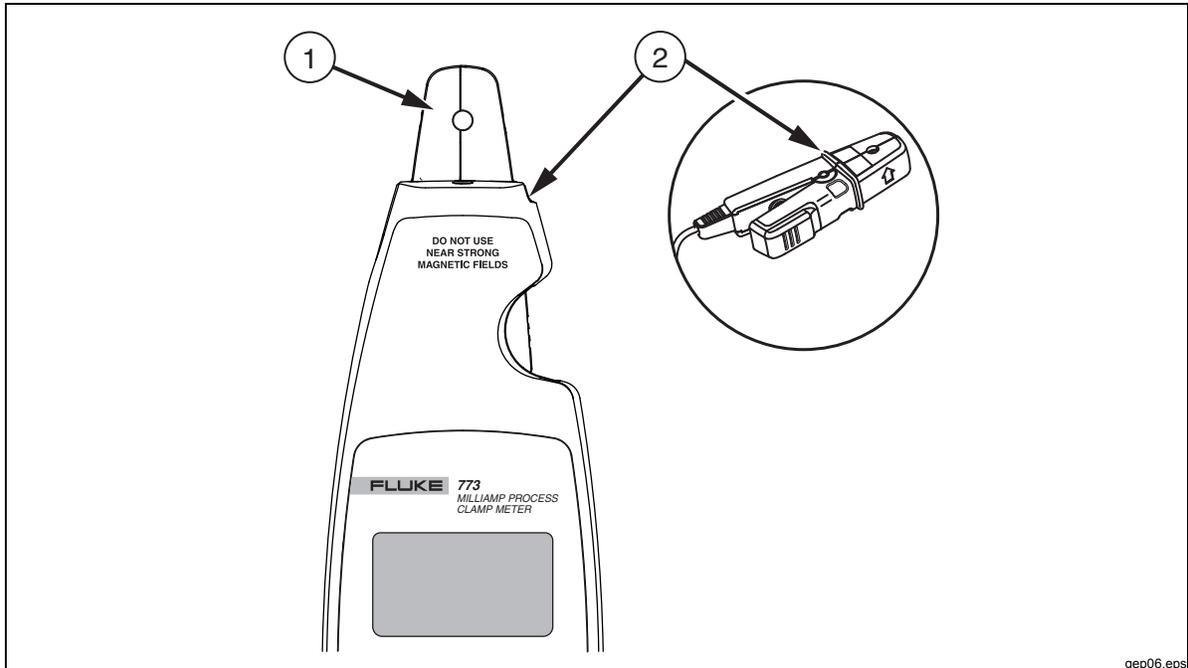
To prevent electrical shock or personal injury, and to prevent damage to the Meter, follow these guidelines:

- **Read this manual before use and follow all safety instructions.**
- **Use the Meter only as this manual recommends. To use the Meter incorrectly, compromises the safety features of the Meter.**
- **Examine the case before you use the Meter. Look for cracks, missing plastic or missing pieces of the clamp and cable. Do not use if the clamp or Meter is damaged.**
- **Do not use on voltages >33 V ac rms, 47 V ac peak, or 70 V dc.**
- **Do not use to measure ac current.**
- **Do not use to measure ac voltage.**
- **Do not work alone.**
- **Use maximum precautions when you work near bare conductors or bus bars. If you touch the conductor, you can receive an electrical shock.**
- **To prevent incorrect indications that can cause electrical shock and injury, replace the batteries when the low-battery indicator () appears.**
- **Follow local and national safety codes. You must use protective equipment to prevent an electrical shock and arc blast injury where hazardous live conductors are exposed.**

- When you measure, keep your fingers behind the Tactile Barrier. See Figure 1.
- Do not use with a non-insulated conductor.
- Do not use near strong magnetic fields.
- Remove test leads before you open the case.

⚠ Caution

To prevent damage to the Meter, do not open it. Do not use a solvent to clean the Meter, and do not put the Meter in water.



Number	Description
①	Detachable clamp
②	Tactile Barrier docked and un-docked.

Figure 1. Tactile Barrier

Symbols

Table 1 refers to the symbols that are on the Meter or in this manual.

Table 1. Symbols

	Do not apply around, or remove from HAZARDOUS LIVE conductors.
	Dangerous. Important data. See Users Manual.
	Risk of Electrical Shock.
	Equipment protected by double or reinforced insulation.
	Battery
	Low Battery
	Confirms with relevant European Union directives.
	DC (Direct Current)
	Do not dispose of this the product as unsorted municipal waste. Go to Fluke's web site for recycling data.
	Conforms to relevant Australian standards.
	Conforms to relevant Canadian and US standards.

Specifications

Electrical Specifications

DC Current Measurement

With Jaw

Ranges 0-20.99 mA; 21-100 mA
Resolution..... 0.01 mA; 0.1 mA
Accuracy..... 0.2 % + 5 counts; 1 % + 5 counts

In Circuit

Range 0-24 mA
Resolution..... 0.01 mA
Accuracy..... 0.2 % + 2 counts

Current Source

Range 0-24 mA
Resolution..... 0.01 mA
Accuracy..... 0.2 % + 2 counts
mA Drive..... 24 mA into 1000 Ω

Current Simulate

Range 0-24 mA
Resolution..... 0.01 mA
Accuracy..... 0.2 % + 2 counts
Maximum Voltage 50 V

DC Voltage Measurement (773)

Range 0-30 V
Resolution..... 0.01 V
Accuracy..... 0.2 % + 2 counts

DC Voltage Source (773)

Range 0-10 V
Resolution..... 0.01 V
Accuracy..... 0.2 % + 2 counts
mA Drive..... 2 mA max all conditions

mA DC IN/OUT (773)

Sourcing range 0-24 mA
Sourcing resolution 0.01 mA
Sourcing accuracy 0.2 % + 2 counts
Measurement range 0-24 mA
Measurement resolution 0.01 mA
Measurement accuracy 1 % FS

Scaled mA DC Current Output to mA Current Input from the Jaw (773)

Range 0-24 mA
Resolution..... 0.01 mA
Accuracy..... 1 % FS

General Specifications

Response speed..... 2 times per second
DC Loop Power 24 V
Influence of Earth's Field < 0.20 mA
Batteries 4 1.5 V, Alkaline, IEC LR6
Working hours 12 hours @ 12 mA sourced into 500 Ω

Mechanical Specifications

Size (H X W X L) 43.7 mm x 70 mm x 246.2 mm
Weight 410 g

Environmental Specifications

Operating Temperature -10 ~ 50 °C
Storage Temperature..... -25 ~ 60 °C
Operating Humidity..... <90 % RH @ <30 °C ; <75 % RH @ 30 ~ 50 °C
Operating Altitude 0 ~ 2000 m
IP Rating..... IP 40
Vibration Requirements Random 2 g, 5 to 500 Hz
Drop Test Requirements..... 1 meter drop test (except the jaw)
EMI, RFI, EMC Meets all applicable requirements in EN61326-1
Note: For current measurement w/jaw, add 1 mA to specification for
EMC field strengths of 1 V/m up to 3 V/m.
Temperature Coefficients 0.1(/ °C X Specified accuracy for Temperature < 18 °C or > 28 °C)

Standards and Agency Approval Specifications

All products certified to the following:
EN / IEC 61010-1, EN / IEC 61010-2-032
Agency Approvals:   

Other Specifications

Power Requirements Four AA batteries, Alkaline, IEC LR6
Automatic Time-out (Power) After 15 minutes \pm 1 minutes
Automatic Time-out (Backlight)..... After 2 minutes \pm 10 seconds
Automatic Time-out (Measurement Spotlight) After 2 minutes \pm 10 seconds

Basic Maintenance

⚠ ⚠ Warning

To prevent electrical shock or personal injury, repairs or servicing not included in this manual must be done only by qualified personnel.

How to Clean the Meter

⚠ ⚠ Warning

To prevent electrical shock or personal injury, remove test leads before you clean the Meter.

⚠ Caution

To prevent damage to the Meter, do not use aromatic hydrocarbons or chlorinated solvents when you clean the Meter. These solutions react with the plastics used in the Meter.

Clean the instrument case with a damp cloth and mild detergent.

Battery Replacement

⚠ ⚠ Warning

To prevent incorrect Meter indications that could cause possible electrical shock or personal injury, replace the batteries when the low battery indicator () appears.

To prevent electrical shock, remove test leads before changing the batteries.

To replace the batteries, see Figure 2:

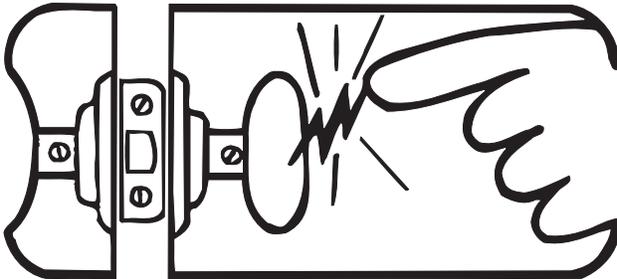
1. Turn the Meter off.
2. Use a flat-head screwdriver to loosen the battery compartment door screws, and remove the door from the case bottom.
3. Remove the batteries.
4. Replace the batteries with four new AA batteries.
5. Reattach the battery compartment door to the case bottom and tighten the screws.



static awareness



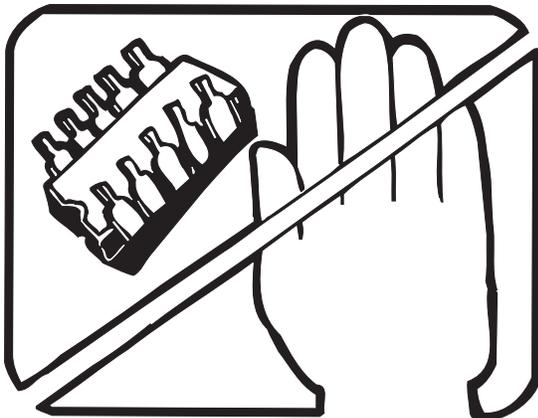
A Message From
Fluke Corporation



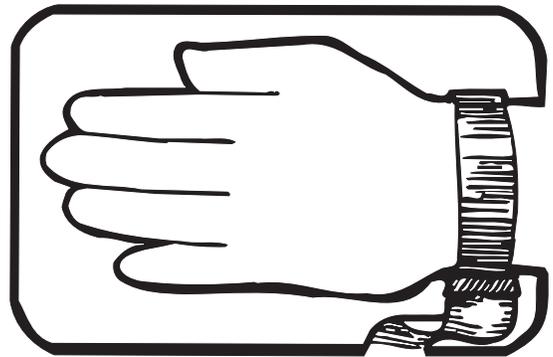
Some semiconductors and custom IC's can be damaged by electrostatic discharge during handling. This notice explains how you can minimize the chances of destroying such devices by:

1. Knowing that there is a problem.
2. Learning the guidelines for handling them.
3. Using the procedures, packaging, and bench techniques that are recommended.

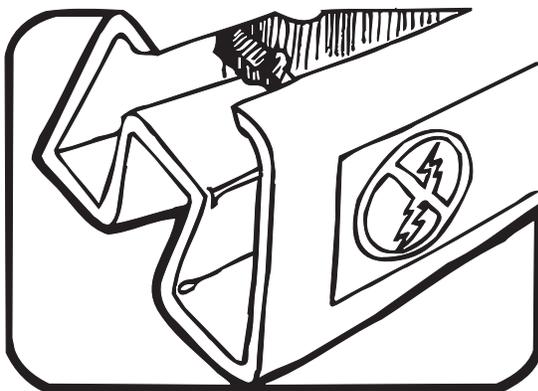
The following practices should be followed to minimize damage to S.S. (static sensitive) devices.



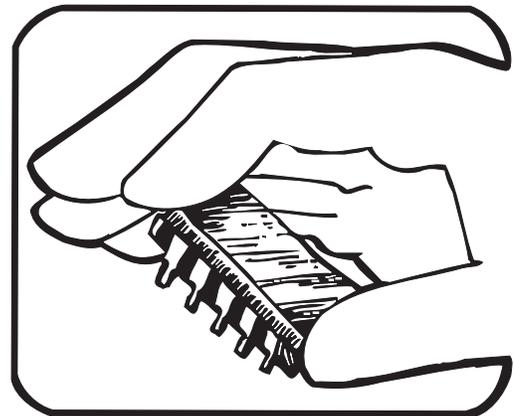
1. MINIMIZE HANDLING



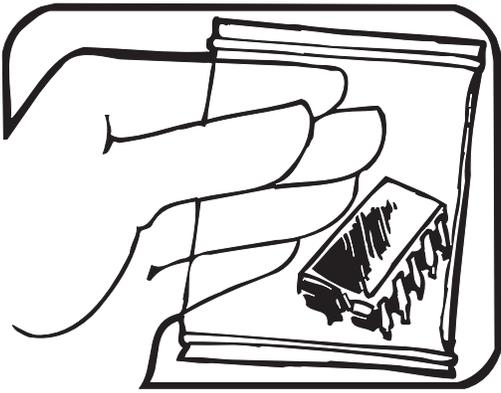
3. DISCHARGE PERSONAL STATIC BEFORE HANDLING DEVICES. USE A HIGH RESISTANCE GROUNDING WRIST STRAP.



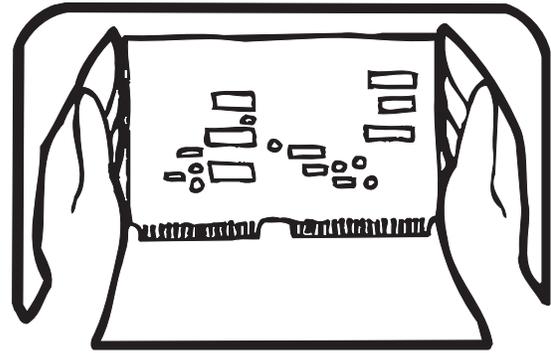
2. KEEP PARTS IN ORIGINAL CONTAINERS UNTIL READY FOR USE.



4. HANDLE S.S. DEVICES BY THE BODY.



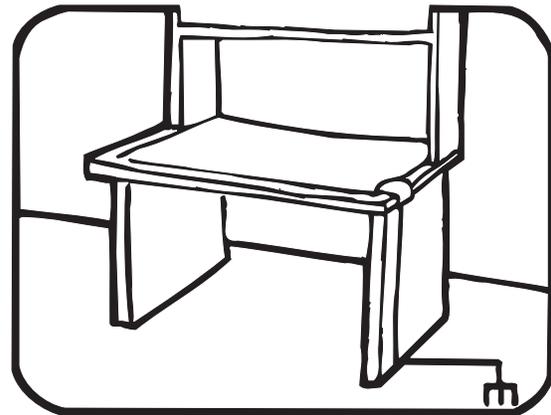
5. USE STATIC SHIELDING CONTAINERS FOR HANDLING AND TRANSPORT.



8. WHEN REMOVING PLUG-IN ASSEMBLIES HANDLE ONLY BY NON-CONDUCTIVE EDGES AND NEVER TOUCH OPEN EDGE CONNECTOR EXCEPT AT STATIC-FREE WORK STATION. PLACING SHORTING STRIPS ON EDGE CONNECTOR HELPS PROTECT INSTALLED S.S. DEVICES.



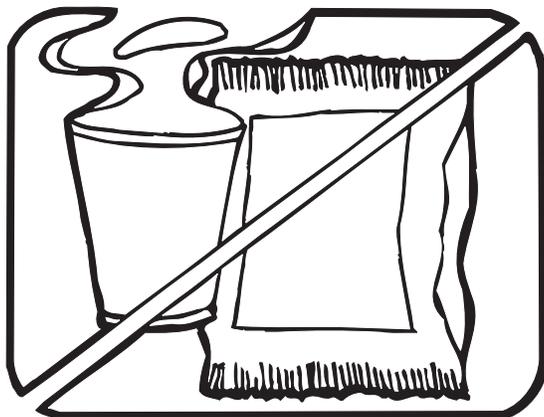
6. DO NOT SLIDE S.S. DEVICES OVER ANY SURFACE.



9. HANDLE S.S. DEVICES ONLY AT A STATIC-FREE WORK STATION.

10. ONLY ANTI-STATIC TYPE SOLDER-SUCKERS SHOULD BE USED.

11. ONLY GROUNDED-TIP SOLDERING IRONS SHOULD BE USED.



7. AVOID PLASTIC, VINYL AND STYROFOAM® IN WORK AREA.

PORTIONS REPRINTED
WITH PERMISSION FROM TEKTRONIX INC.
AND GERNER DYNAMICS, POMONA DIV.

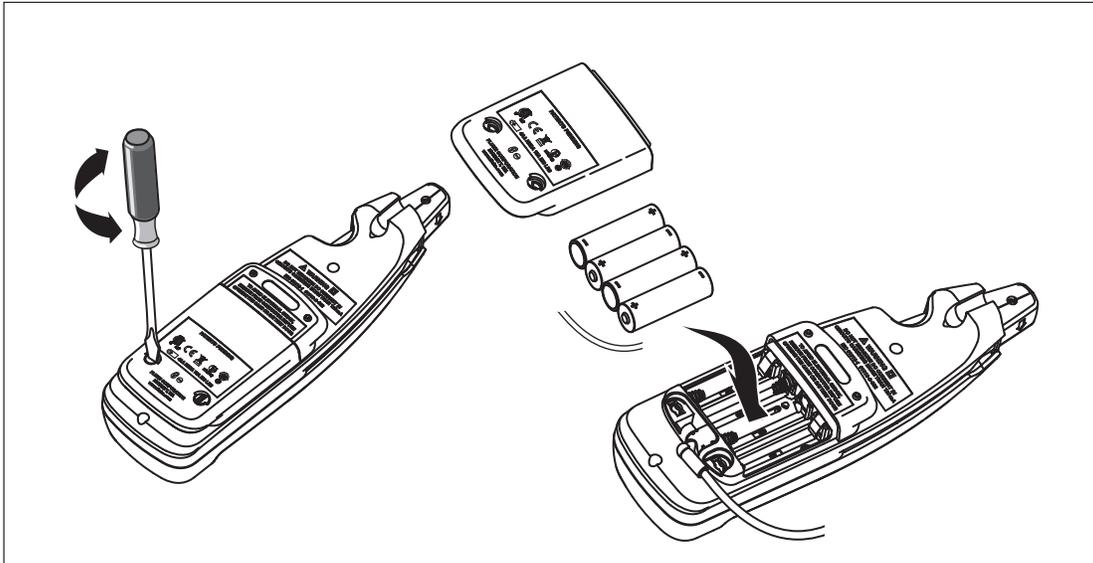


Figure 2. Battery Replacement

gep02.eps

Performance Tests

⚠⚠ Warning

To prevent electrical shock, personal injury, or fire:

- Repairs or Meter servicing must be done only by qualified personnel.
- Do not do the verification tests or calibration adjustment in this manual unless qualified.

The tests that follow verify the functions of the Meter. If the Meter fails the verification tests, repair is necessary. For Meter servicing, see “How to Contact Fluke”.

Required Equipment

Required equipment for the performance tests is in Table 2. If the recommended models are not available, equipment with equivalent specifications can be used.

Table 2. Required Equipment

Equipment	Minimum Required Characteristics	Recommended Model
Calibrator	DC milliamps: 0-24.00 mA = ± 0.073 % 24.0-100.0 mA = ± 0.375 % DC Volts: 0-30.00 V = ± 0.267 %	Fluke 55xxA
DMM	DC Current: 0-24.00 mA = ± 0.375 % DC Volts: 0-10 V = ± 0.1 %	Fluke 88xxA
Lab Supply	6 Vdc ± 0.5 V	-

How to Test the Batteries

Prior to performing the following tests, check the batteries with a multimeter and replace as necessary. See “Battery Replacement”.

How to Test the Display

1. Push and hold **HOLD** while powering on the Meter.
2. Compare the Meter display to Figure 3.
3. Examine all display segments for clarity and contrast.

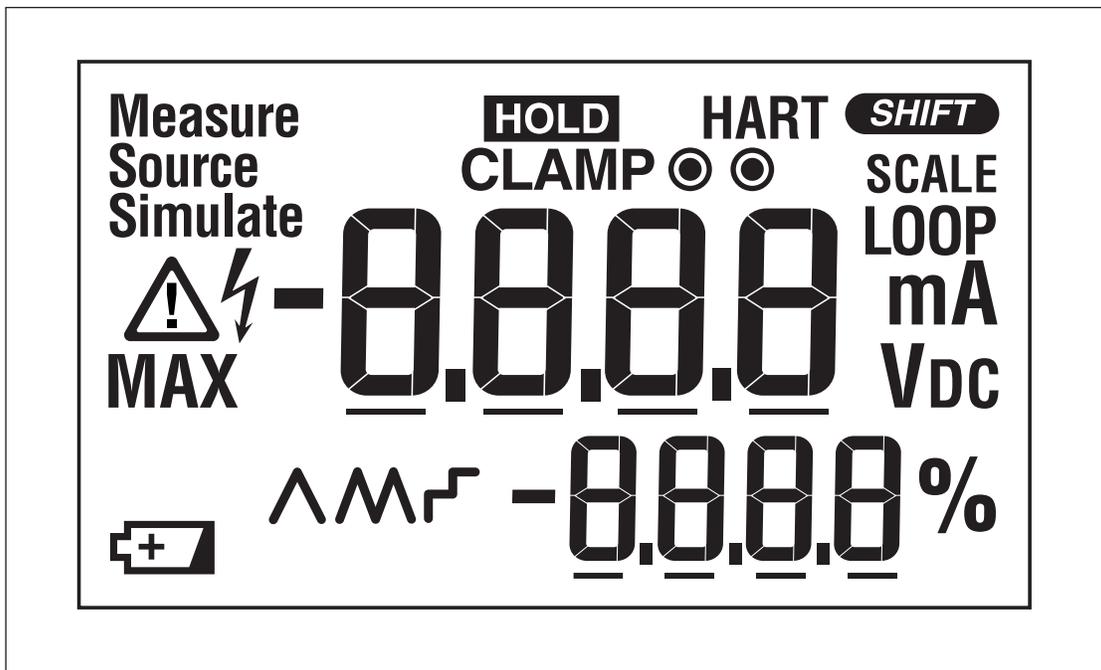


Figure 3. Display Test

gep07.eps

Display Hold Test

⚠⚠ Warning

Changes to the input signal will not register on the Meter display when in Display Hold Mode. To prevent electrical shock or personal injury, you must be aware of what mode the Meter is in.

Push **HOLD** to activate Display Hold mode. The display shows **HOLD** and the display freezes. Push **HOLD** a second time to exit and resume normal operation.

Backlight Test

Push  to turn the backlight on and off. To extend battery life, the backlight automatically stops after 2 minutes.

Measurement Spotlight LED Test

Push  to activate the Measurement Spotlight LED. To extend battery life, the light automatically stops after 2 minutes.

Accuracy Tests

Accuracy specifications are valid for 1 year after calibration adjustment when measured at an operation temperature of 18 °C to 28 °C. Allow the Meter to stabilize at room temperature prior to performing the accuracy tests.

The following tables list the required performance test points for verifying Meter accuracy. Zero the Meter prior to completing each measurement point.

mA DC Clamp Measure Accuracy Tests

Step	Calibrator Output	UUT Meter Reading Limit	
		Low	High
1	4.00 mA	3.94 mA	4.06 mA
2	-4.00 mA	-4.06 mA	-3.94 mA
3	12.00 mA	11.03 mA	12.07 mA
4	-12.00 mA	-12.07 mA	-11.03 mA
5	20.00 mA	19.01 mA	20.09 mA
6	-20.00 mA	-20.09 mA	-10.01 mA
7	100.0 mA	98.5 mA	101.5 mA
8	-100.0 mA	-101.5 mA	-98.5 mA

mA DC Measure Accuracy Tests

Step	Calibrator Output	UUT Meter reading limit	
		Low	High
1	0.00 mA	-0.02 mA	0.02 mA
2	4.00 mA	3.97 mA	4.03 mA
3	-4.00 mA	-4.03 mA	-3.97 mA
4	8.00 mA	7.96 mA	8.04 mA
5	-8.00 mA	-8.04 mA	-7.96 mA
6	12.00 mA	11.96 mA	12.04 mA
7	-12.00 mA	-12.04 mA	-11.96 mA
8	20.00 mA	19.94 mA	20.06 mA
9	-20.00 mA	-20.06 mA	-19.94 mA
10	24.00 mA	23.93 mA	24.07 mA
11	-24.00 mA	-24.07 mA	-23.93 mA

Volts DC Measure Accuracy Tests

Step	Calibrator Output	UUT Meter Reading Limit	
		Low	High
1	0.00 V	-0.02 V	0.02 V
2	10.00 V	9.96 V	10.04 V
3	-10.00 V	-10.04 V	-9.96 V
4	20.00 V	19.94 V	20.06 V
5	-20.00 V	-20.06 V	-19.94 V
6	30.00 V	29.92 V	30.08 V
7	-30.00 V	-30.08 V	-29.92 V

mA DC Source Accuracy Tests

Step	UUT Meter Output	DMM Reading Limit	
		Low	High
1	0.00 mA	-0.02 mA	0.02 mA
2	4.00 mA	3.97 mA	4.03 mA
3	8.00 mA	7.96 mA	8.04 mA
4	12.00 mA	11.96 mA	12.04 mA
5	20.00 mA	19.94 mA	20.06 mA
6	24.00 mA	23.93 mA	24.07 mA

Volts DC Source Accuracy Tests

Step	UUT Meter Output	DMM Reading Limit	
		Low	High
1	0.00 V	-0.02 V	0.02 V
2	2.50 V	2.47 V	2.53 V
3	5.00 V	4.97 V	5.03 V
4	7.50 V	7.46 V	7.54 V
5	10.00 V	9.96 V	10.04 V

Calibration Adjustment

The Meter features closed-case calibration adjustment with a known reference source. The Meter measures the applied reference source, calculates correction factors, and keeps the correction factors in nonvolatile memory.

Before you start calibration adjustment, let the Meter stabilize to room temperature.

To turn on Calibration mode:

1. Remove the batteries and substitute with a lab supply set to 6 V dc.
2. Open the battery door. The calibration button is usually hidden by the factory calibration seal.
3. Use a small probe and push the calibration button longer than 2 seconds. See Figure 4.

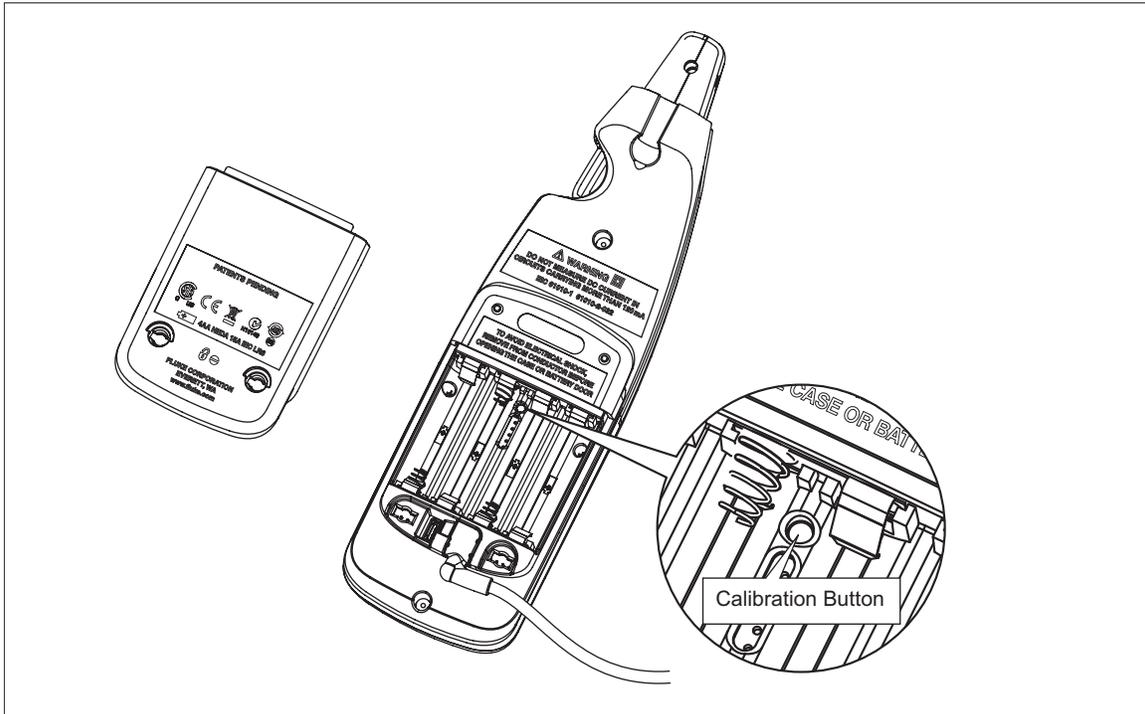


Figure 4. Accessing the Calibration Button

gep01.eps

There are five Meter functions to adjust:

1. Clamp measure
2. mA measure
3. Volt measure (773 only)
4. mA source
5. Volt source (773 only)

Table 3 shows the Meter buttons you use to select a function to be calibrated.

Table 3. Calibration Functions

Button	Calibration Function Description
	Engages mA function
	Identifies V dc function
	Identifies Clamp function
	Toggles between measure and source modes

Table 4 shows the Meter buttons you use to adjust the Meters calibration.

Table 4. Calibration Adjustments

Button	Calibration Adjustment Description
	A short button push (1 second) changes the Meter to the first calibration step A long button push exits the Meters calibration mode
 	Adjust source output in large steps
 	Adjust source output in small steps
	Forward to subsequent calibration step

The Meter display shows the value in each adjustment step.

- In Measure mode, the shown value is the calibrator input.
- In Source mode, the shown value is the Meter output.

To exit Calibration mode:

Push the calibration button a second time to keep new calibration constants and exit calibration mode.

Calibration Error Messages

The calibration error messages that the Meter can show are in Table 5. Steps to remove the messages are also shown in the table.

Table 5. Error Messages

Error Message	Cause of Error	Removal Steps
Cal	Meter not calibrated, use default parameter	Do all adjustments
Err	Code area checksum error	Meter repair is necessary

mA DC Clamp Measure Adjustment Procedure

To adjust the Clamp Measure function, use the Calibrator to apply the necessary Meter input and do the steps in Table 6.

Table 6. Clamp Measure Adjustment Procedure

Step	Meter Display	Calibrator Output	Procedure
1	0.00 mA	0.00 mA	Stop for 10 seconds, push <input type="button" value="HOLD"/>
2	-20.00mA	-20.00 mA	Push <input type="button" value="HOLD"/>
3	0.00mA	0.00 mA	Stop for 10 seconds, push Hold button
4	20.00mA	20.00 mA	Push <input type="button" value="HOLD"/>
5	0.00 mA	0.00 mA	Stop for 10 seconds, push <input type="button" value="HOLD"/>
6	-100.00mA	-100.00 mA	Push <input type="button" value="HOLD"/>
7	0.00mA	0.00 mA	Stop for 10 seconds, push <input type="button" value="HOLD"/>
8	10.00mA	100.00 mA	Push <input type="button" value="HOLD"/>
9	Save	--	Push <input type="button" value="HOLD"/>

mA DC Measure Adjustment Procedure

To adjust the mA Measure function, use the Calibrator to apply the necessary Meter input and do the steps in Table 7.

Table 7. mA Measure Adjustment Procedure

Step	Meter Display	Calibrator Output	Procedure
1	-20.00 mA	-20.00 mA	Push <input type="button" value="HOLD"/>
2	0.00 mA	0.00 mA	Push <input type="button" value="HOLD"/>
3	20.00 mA	20.00 mA	Push <input type="button" value="HOLD"/>
4	Save	--	Push <input type="button" value="HOLD"/>

Volts DC Measure Adjustment Procedure

To adjust the Volt Measure function, use the Calibrator to apply the necessary Meter input and do the steps in Table 8.

Table 8. Volt Measure Adjustment Procedure

Step	Meter Display	Calibrator Output	Procedure
1	-30.00V	-30.00 V	Push <input type="button" value="HOLD"/>
2	0.00V	0.00 V	Push <input type="button" value="HOLD"/>
3	30.00V	30.00 V	Push <input type="button" value="HOLD"/>
4	Save	--	Push <input type="button" value="HOLD"/>

mA DC Source Adjust Procedure

To adjust the mA Source function, use the Calibrator to apply the necessary Meter input and do the steps in Table 9.

Table 9. mA Source Adjustment Procedure

Step	Meter LCD display	Action
1	4.00 mA	Adjust until Meter output is 4.00 mA, push HOLD
2	20.00 mA	Adjust until Meter output is 20.00 mA, push HOLD
4	Save	Push HOLD

Volts DC Source Adjust Procedure (773 Only)

To adjust the Volt Source function, use the Calibrator to apply the necessary Meter input and do the steps in Table 10.

Table 10. Volt Source Adjustment Procedure

Step	Meter LCD display	Action
1	0.00 V	Adjust until Meter output is 0.00 V, push HOLD
2	10.00 V	Adjust until Meter output is 10.00 V, push HOLD
4	Save	Push HOLD

Replaceable Parts

Table 11 and Figure 5 show all replaceable parts.

Table 11. Replaceable Parts

Item	Description	Quantity	Part or Model Number
①	AA Batteries, 1.5 V	4	376756
②	Absorber	1	3369914
③	Battery door	1	3350978
④	Fastener	2	948609
⑤	Soft Carrying Case	1	3351060
⑥	Instruction Sheet	1	3351049
⑦	Calibration Manual	1	3362376
⑧	TL940 Mini Hook with Test Lead	1 Set	1616705
⑨	TL75- Test Leads	1 Set	855742
⑩	AC72 Detachable Clip	2	1670095
⑪	Velcro Strip	1	3031302
⑫	TPAK, Strap 17 inches	1	669967
⑬	Hanger	1	337574
⑭	*Jaw Assembly	1 Set	3350957
*Re-calibration is required after jaw assembly is replaced.			