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<tr>
<td>6.</td>
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</tr>
</tbody>
</table>
Fluke 1520

Unpacking the Meter
The Fluke Model 1520 MegOhmMeter (hereafter, “the meter”) is a handheld instrument designed primarily to make resistance/insulation resistance measurements.

The MegOhmMeter includes the following items, see Figure 1:

- 2 test leads, red and black, 1.5 m
- 2 test probes, red and black
- 2 alligator clips, red and black
- Hand strap
- Carrying case
- CD ROM (Not Pictured)
Figure 1. Shipment Content
Safety Information and Symbols

A Caution identifies conditions and actions that may damage the Meter. A △ Warning identifies conditions and actions that pose hazard(s) to the user. International symbols on the Meter and in the manual are explained below.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚡</td>
<td>Risk of electric shock</td>
<td>⚡</td>
<td>Earth</td>
</tr>
<tr>
<td>△</td>
<td>See manual</td>
<td>△</td>
<td>Fuse</td>
</tr>
<tr>
<td>☢</td>
<td>Equipment protected by double or reinforced Insulation</td>
<td>☢</td>
<td>AC or DC</td>
</tr>
<tr>
<td>🔋</td>
<td>Battery</td>
<td>🔋</td>
<td>Recycling information</td>
</tr>
<tr>
<td>⚡️</td>
<td>Conforms to CSA C22.2 No 1010.1-92 + Amendment 2 1997, UL 3111 and ANSI/ISA SP82.01 1994</td>
<td>⚡️</td>
<td>VDE Conforms to VDE EN61010 (Pending)</td>
</tr>
<tr>
<td>⚡️</td>
<td>Conforms to EU directives</td>
<td>⚡️</td>
<td>Conforms to UL 3111.1</td>
</tr>
</tbody>
</table>

CAT III OVERVOLTAGE (Installation) CATEGORY III, Pollution Degree 2 per IEC1010-1 refers to the level of Impulse Withstand Voltage protection provided. Equipment of OVERVOLTAGE CATEGORY III is equipment in fixed installations (e.g., electricity meter and primary over-current protection equipment.)
Safety Information
Use of instrument in a manner not specified by the manufacturer may impair safety features/protection provided by the equipment. Read the following safety information carefully before using or servicing the instrument. To avoid electric shock or fire, do the following:

- Avoid working alone.
- Inspect the test leads for damaged insulation or exposed metal. Check test lead continuity. Damaged leads must be replaced. Do not use the Meter if it looks damaged.
- Be careful when working above 30 V ac rms, 42 V ac peak and 60 V dc. Such voltages pose a shock hazard.
- When using the probes, keep your fingers away from probe contacts. Keep your fingers behind the finger guards on the probes.
- Measurements can be adversely affected by impedances of additional operating circuits connected in parallel or by transient currents.
- Verify operation prior to measuring hazardous voltages (voltages above 30 V ac rms, 42 V ac peak and 60 V dc).
<table>
<thead>
<tr>
<th>△ Safety Information (cont.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Place test leads in proper input terminals.</td>
</tr>
<tr>
<td>• Disconnect the live test lead before disconnecting the neutral test lead.</td>
</tr>
<tr>
<td>• Do not use the Meter if the battery indicator ( Batteries Empty ) shows a battery empty condition.</td>
</tr>
<tr>
<td>• Use only Fluke recommended batteries and fuse.</td>
</tr>
<tr>
<td>• Do not use the Meter with any parts or cover removed.</td>
</tr>
<tr>
<td>• Do not use the Meter around explosive gas, vapor or dust.</td>
</tr>
<tr>
<td>• Disconnect the test leads from power sources and from the Meter before changing the batteries or fuse.</td>
</tr>
<tr>
<td>• Do not use the Meter in a wet environment.</td>
</tr>
<tr>
<td>• Use only Fluke specified test leads.</td>
</tr>
</tbody>
</table>
### Key functions

#### Table 1. Key and Switch Descriptions

<table>
<thead>
<tr>
<th>Switch</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rotary switch" /></td>
<td>To select a measurement function.</td>
</tr>
<tr>
<td><img src="image" alt="TEST" /></td>
<td>Used for the Insulation Resistance and Low Resistance test functions. Press and hold this button until the main reading is stable.</td>
</tr>
</tbody>
</table>
| ![LOCK](image) | Locks the test in Insulation Resistance or Low Resistance function. To lock: press and hold TEST, then press LOCK and simultaneously release both buttons. The icon 8 LOCK appears on the display.  
   - Insulation Resistance- this mode continuously applies the test voltage to the circuit to be tested. The beeper sounds every 2 seconds to remind you that you are in the Lock mode.  
   - Low Resistance- this mode continuously applies the test current to the circuit to be tested. |

To unlock: press LOCK or TEST again.
### Table 1 (continued)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📲</td>
<td><strong>Resistance Beeper function</strong></td>
<td>Turns the Beeper function ON and OFF. When ON, the 📲 icon appears on the display and the Meter beeps at short circuit.</td>
</tr>
<tr>
<td>ZERO</td>
<td><strong>Low Resistance function</strong></td>
<td>Turns the test lead resistance compensation ON. The 📲 icon appears on the display. To compensate, touch the probe tips together, then press and hold ZERO until the Meter beeps. The main display indicates 0.00.</td>
</tr>
<tr>
<td>📦</td>
<td><strong>Backlight button</strong></td>
<td>Turns the display backlight ON and OFF.</td>
</tr>
</tbody>
</table>
Fluke 1520
Users Manual

Display
Table 2 and Figure 2 describe the display.

Table 2. Display Description

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Voltage applied to the probes in Insulation Resistance function.</td>
</tr>
<tr>
<td>2</td>
<td>Low Resistance/Resistance function indicator.</td>
</tr>
<tr>
<td>3</td>
<td>Resistance reading held from the last measurement in Insulation Resistance or Low Resistance function.</td>
</tr>
<tr>
<td>4</td>
<td>Beeper symbol shows if beeper function is turned on in Resistance function.</td>
</tr>
<tr>
<td>5</td>
<td>Zero symbol is on if test leads are zeroed out.</td>
</tr>
<tr>
<td>6</td>
<td>Main reading display for all functions.</td>
</tr>
<tr>
<td>7</td>
<td>Analog bar graph displays resistance on a logarithmic scale and voltage on a linear scale. The value always tracks the main reading.</td>
</tr>
<tr>
<td>8</td>
<td>High voltage warning symbol flashes if voltage $\geq 30$ V ac or dc is present on the probes.</td>
</tr>
<tr>
<td>9</td>
<td>Battery life indicator. Displays briefly when the Meter is first switched to a function. Displays the amount of battery voltage left in increments of 25 %.</td>
</tr>
<tr>
<td>10</td>
<td>Lock symbol is on if the TEST mode is locked in Insulation or Low Resistance functions.</td>
</tr>
</tbody>
</table>
MegOhmMeter

Key functions

Figure 2. Display
Using the Meter

Connecting to the Circuit Under Test

Figure 3 shows the proper connections.

⚠️ Warning

To prevent electric shock when performing resistance tests, remove all power from the circuit to be measured.

⚠️ Warning

To prevent electric shock, first connect the test leads to the Meter inputs before you make connection to the circuit under test.
Figure 3. Connecting to the Circuit Under Test
Auto-Shut-Off
The Meter automatically turns off after 15 minutes of non-use. In Lo Ohms mode, the meter turns off after 5 minutes of non-use. To turn the meter back on, turn the rotary switch to OFF, then to the desired function.

Measuring Insulation Resistance

⚠️ Warning

- Measuring insulation resistance requires the application of potentially dangerous voltages to the circuit. This may include exposed bonded metalwork.
- Before proceeding, ensure that the installation is correctly wired and no personnel are endangered by any tests.
To measure insulation resistance, do the following:

1. Select the test voltage.
2. Connect the probes to the circuit to be measured. The meter automatically detects if the circuit is energized, and displays the detected voltage.
   
   Warning
   
   A repetitive beep and the flashing high voltage symbol (↑) warn the user if voltage more than 30 V ac or dc is present. If the voltage is > 30 V ac or dc, remove the voltage from the circuit under test before proceeding with the next step.

3. Push and hold the TEST button. The upper left display shows the test voltage applied to the circuit under test. The main display shows the resistance.
   
   Note
   
   The display shows - - - - until the TEST button is pushed.
The Meter beeps when the reading is stable. The upper right display shows the same resistance reading as the main display.

When resistance is higher than the maximum display range, the meter reacts as follows:

- If the 250V range is selected, the display reads >1000 MΩ.
- If the 500V range is selected, the display reads >2000 MΩ.
- If the 1000V range is selected, the display reads >4000 MΩ.

4. While keeping the probes on the test points, release the TEST button.
   The circuit now discharges through the Meter, while the main reading shows the decreasing voltage.
   Keep the probes touched to the test points until the circuit is completely discharged (the main display shows - - - -).
   The upper right display holds the resistance reading until a new test is started or a different function is selected.
Using the LOCK Function to Measure Insulation Resistance

The LOCK function holds the test voltage on the probes. Use LOCK to make long duration measurements without having to push and hold the TEST button.

To use the LOCK function:
1. Press the TEST button, then press the LOCK button, and then release both simultaneously.

⚠️ Warning
In this mode a potentially dangerous voltage is continuously applied to the probes.
In this mode, if the probes are disconnected from the circuit, the Meter cannot discharge any potentially dangerous capacitive voltages left on the circuit.

⚠️ Caution
In this mode the Meter cannot indicate if the circuit is live. Ensure that the circuit is de-energized before connecting the test probes in this mode.

2. Press LOCK or TEST to disengage the lock function.
Measuring Low Resistance

To measure low resistance:

1. Zero out the test lead resistance (see Table 1).
2. Connect the probes to the circuit to be measured.
   If voltage is present on the probes, the voltage is displayed.
   ⚠ Warning
   A repetitive beep and the flashing high voltage
   symbol (†) warn the user if voltage more than 30 V ac
   or dc is present. If the voltage is > 30 V ac or dc,
   remove the voltage from the circuit under test before
   proceeding with the next step.
3. Press and hold the TEST button. A single beep indicates a stable reading. The
   resistance shows on the main display. If the resistance is higher than 40 Ω, >40 Ω is
   displayed.
4. Release the TEST button. The upper right display holds the resistance reading until a
   new test is started or a different function is selected.
5. Exchange the red (+) and black (−) probes on the circuit and repeat steps 3 and 4 to reverse the polarity of the test current. The reading should be the same as the previous. This test is useful to detect corroded connections, which can cause different readings for both polarities.

**Using the LOCK Function to Measure Resistance**

The LOCK function is used to continuously supply the test current to the circuit to be tested. This is useful for making several measurements in succession without having to push and hold the TEST button for each measurement.

1. Press the TEST button, then press the LOCK button, then release both simultaneously.
2. You can now probe the desired test locations in succession.
3. Press LOCK or TEST to disengage the lock function.

**Caution**

The Meter cannot indicate if the circuit is live in this mode. Ensure that the circuit is de-energized before connecting the test probes in this mode or the fuse may blow.
Measuring Resistance
1. Connect the probes to the circuit to be measured. Measure voltage first to ensure that no hazardous voltage is present, then switch to Ohms.
2. If the resistance is approximately 30 Ω or less, the Meter beeps. To turn off the beeper, press the beeper button. If the resistance is higher than 4000 Ω, >4000 Ω is displayed.

Measuring Voltage
1. Connect the probes to the circuit to be measured.
2. If the voltage is higher than 660 V, >660 V is displayed.

⚠️ Warning
The Meter indicates either ac or dc voltage. If the voltage being measured has both an ac and dc component, the Meter displays only the largest component of the measured signal.
Checking the Battery
This function tests the battery under simulated load per EN61557. Disconnect all test leads from any circuit.

![Battery Check](image.png)

**Figure 4. Display Example**
**Maintaining the Meter**

This section provides basic maintenance information, including fuse and battery replacement instructions.

**Caution**

Do not attempt to repair or service your Meter unless you are qualified to do so and have the relevant calibration, performance test, and service information.

**Cleaning**

Clean only with soap and water. Remove any residue afterwards. Periodically wipe the case with a damp cloth and mild detergent. Do not use abrasives or solvents.
Replacing and Disposing of the Batteries

⚠️ Warning

To avoid electric shock, disconnect the test leads from the inputs before opening the Meter for battery replacement.

To avoid false readings, which could lead to possible electric shock or personal injury, replace the batteries as soon as the battery empty indicator appears.

🔍 Note

This Meter contains alkaline batteries. Do not dispose of these batteries with other solid waste. Used batteries should be disposed of by a qualified recycler or hazardous materials handler. Contact your authorized Fluke Service center for recycling information.

The Meter uses four alkaline C cell batteries (supplied). To replace the batteries, do the following (see Figure 5):

1. Turn the rotary switch to the OFF position.
2. Disconnect test leads from any power source.
3. Remove the holster.
4. Place the Meter face down on a nonabrasive surface and loosen the two screws with a flat-blade screwdriver.
5. Lift the battery access lid away from the Meter.
6. Replace the C cells as shown in Figure 5. Observe the battery polarity shown in the battery compartment.
7. Secure the battery access lid back in position with the two screws.
Figure 5. Replacing the Batteries.
Warning

To avoid electric shock, disconnect the test leads from the inputs before opening the Meter for fuse replacement.

To prevent personal injury or damage to the Meter, install ONLY Fluke specified fuse identified in the “Replacement Parts and Optional Accessories” section.

Before replacing the fuse, test it as described in the next section.

Testing the Fuse

Use the following procedure to test the internal fuse of the Meter.

1. Turn the rotary switch to the Lo Ω Function.

2. Connect the test leads to the input terminals and short them together. Press TEST.

3. The display should indicate approximately 0.5 Ω. If the display reads >40 Ω, replace the fuse as described next and test again.
Replacing the Fuse

⚠ Warning

To avoid electric shock, personal injury or damage to the Meter, use ONLY the specified fuse, and in accordance with the following procedure.

If the previous fuse test indicates that the fuse is defective (resistance > 40 Ω), replace the fuse as follows:

1. Turn the rotary switch to the OFF position.
2. Disconnect test leads from any power source.
3. Follow Steps 2 - 5 to remove the battery access lid as described under "Replacing and Disposing of the Batteries".
4. Unscrew the bottom cover as shown in Figure 6.
5. Remove the fuse as shown in Figure 6.
6. Replace with a new fuse.
7. Place the bottom cover on and secure the screws.
8. Insert the batteries. Observe the battery polarity shown in the battery compartment.
9. Secure the battery access lid.
10. Test the fuse as described under "Testing the Fuse".
Figure 6. Replacing the Fuse
## Replacement Parts and Optional Accessories

<table>
<thead>
<tr>
<th>Replacement Part</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery 1.5 V Alkaline Size C</td>
<td>423582</td>
</tr>
<tr>
<td>Test Lead set</td>
<td>669058</td>
</tr>
<tr>
<td>Test Probe, 1 kV, lantern tip, red</td>
<td>803459</td>
</tr>
<tr>
<td>Test Probe, 1 kV, lantern tip, black</td>
<td>803467</td>
</tr>
<tr>
<td>Alligator Clip, red</td>
<td>803434</td>
</tr>
<tr>
<td>Alligator Clip, black</td>
<td>803442</td>
</tr>
<tr>
<td>Carrying Case</td>
<td>603115</td>
</tr>
<tr>
<td>Holster</td>
<td>670643</td>
</tr>
<tr>
<td>Hand Strap</td>
<td>669069</td>
</tr>
<tr>
<td>Fuse, 6 mm x 32 mm (0.25 x 1.25 inch), 0.5 A, 660 V, Fast Acting, 50 A Minimum Interrupt rating</td>
<td>NA</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Fuse, 6 mm x 32 mm (0.25 x 1.25 inch), 0.5 A, 750 V, Fast Acting</td>
<td>1556096</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Accessories</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harness</td>
<td>669074</td>
</tr>
<tr>
<td>Tool Pack</td>
<td>669903</td>
</tr>
</tbody>
</table>

⚠️ For safety, use exact replacement only.


**Principle of Measurement for Resistance**

The Meter measures resistance by inducing a current in the circuit under test, measuring the resultant potential across the circuit, and then calculating the resistance of the circuit. The resistance is then established by performing the following calculation:

\[
R = \frac{V}{I} \quad \text{(Ohm’s Law)}
\]
## Specifications

<table>
<thead>
<tr>
<th>Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
</tr>
<tr>
<td>Storage Temperature</td>
</tr>
<tr>
<td>Temperature Coefficient</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Relative Humidity:</td>
</tr>
<tr>
<td>Non condensing (&lt; 10 °C)</td>
</tr>
<tr>
<td>90 % RH (10 °C to 30 °C)</td>
</tr>
<tr>
<td>75 % RH (30 °C to 40 °C)</td>
</tr>
<tr>
<td>45 % RH (40 °C to 50 °C)(Without Condensation)</td>
</tr>
<tr>
<td>Dust/water resistance</td>
</tr>
<tr>
<td>Operating Altitude</td>
</tr>
<tr>
<td>Storage Altitude</td>
</tr>
</tbody>
</table>
# Mechanical Specifications

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>23.4 x 10 x 6.4 cm (9.2 x 3.9 x 2.5 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>1 kg (2.2 lbs.)</td>
</tr>
<tr>
<td>Drop requirement</td>
<td>Per IEC 1010-1</td>
</tr>
<tr>
<td>Shock and Vibration</td>
<td>Conforms to MIL-PREF-28800F class 3 &amp; 4</td>
</tr>
</tbody>
</table>

# Safety Specifications

| Electrical Safety     | Meets all requirements of EN61010-1, 1995 and EN61557, 1997 |
| Maximum Operating Voltage | 600 V ac or dc between any terminal and earth ground |
| Protection Levels     | CAT III, 600 V, Pollution Degree 2 per EN61010-1 |

## Electromagnetic Compatibility (EMC)

| Immunity & Emissions  | EN 61326-1 (Unspecified for Field strength in excess of 2V/m) |
| ESD                   | EN61000-4-2 Satisfies Criteria B |
## MegOhmMeter

### Specifications

#### Electrical Specifications

<table>
<thead>
<tr>
<th>Battery</th>
<th>C Size 1.5 V alkaline, ANSI/NEDA-14A, IEC-LR14 (4 pieces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse</td>
<td>6 mm x 32 mm (0.25 x 1.25 inch), 0.5 A 660 V, Fast Acting, 50 A Minimum Interrupt rating</td>
</tr>
</tbody>
</table>

#### Insulation Resistance

<table>
<thead>
<tr>
<th>Display Ranges</th>
<th>4.000 MΩ, 40.00 MΩ, 400.0 MΩ, 4000 MΩ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Range (per EN61557-2)</td>
<td>0.250 MΩ to 4000 MΩ</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.001 MΩ to 10 MΩ</td>
</tr>
<tr>
<td>Accuracy</td>
<td>2 % + 2 counts</td>
</tr>
<tr>
<td></td>
<td>0.250 MΩ to 100.0 MΩ</td>
</tr>
<tr>
<td></td>
<td>10 % + 2 counts + 1 %/1000 MΩ</td>
</tr>
<tr>
<td></td>
<td>100.0 MΩ to 4000 MΩ</td>
</tr>
<tr>
<td>Analog Bar Graph</td>
<td>0 to ∞</td>
</tr>
</tbody>
</table>
### Fluke 1520
#### Users Manual

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Voltages</td>
<td>250 V, 500 V, 1000 V</td>
</tr>
<tr>
<td>Accuracy</td>
<td>+20 %, -0 %</td>
</tr>
<tr>
<td>Nominal Current</td>
<td>1 mA</td>
</tr>
<tr>
<td>Number of measurements</td>
<td>5,000</td>
</tr>
<tr>
<td>Circuitry Protection</td>
<td>test inhibited if ( \leq 30 ) V ac or dc at inputs</td>
</tr>
<tr>
<td>Display Range</td>
<td>40.00 ( \Omega )</td>
</tr>
<tr>
<td>Measurement Range</td>
<td>0.10 ( \Omega ) to 40.00 ( \Omega )</td>
</tr>
<tr>
<td>Accuracy</td>
<td>2 % + 2 counts</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.01 ( \Omega )</td>
</tr>
<tr>
<td>Analog Bar Graph</td>
<td>0 to 100 ( \Omega )</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>6 V typical</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>200 mA minimum, (0.2 to 2.0 ( \Omega ) for ( &gt;20% ) battery capacity remaining).</td>
</tr>
<tr>
<td>Test Leads Zero</td>
<td>2 ( \Omega )</td>
</tr>
<tr>
<td>Number of measurements</td>
<td>5,000</td>
</tr>
<tr>
<td>Circuitry Protection</td>
<td>test inhibited if ( \leq 30 ) V ac or dc at inputs</td>
</tr>
</tbody>
</table>
### MegOhmMeter Specifications

<table>
<thead>
<tr>
<th>Voltage</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>600 V, dc, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>1 V</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>2 % + 2 counts</td>
<td></td>
</tr>
<tr>
<td>Analog Bar Graph</td>
<td>0 to 1000 V</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Resistance</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>4000 Ω</td>
<td></td>
</tr>
<tr>
<td>Accuracy</td>
<td>2 % + 2 counts</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>1 Ω</td>
<td></td>
</tr>
<tr>
<td>Analog Bar Graph</td>
<td>0 to 10 kΩ</td>
<td></td>
</tr>
<tr>
<td>Beeper</td>
<td>On at ≈30 Ω or less</td>
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</table>
Limited Warranty & Limitation of Liability

Each Fluke product is warranted to be free from defects in material and workmanship under normal use and service. The warranty period is three years and begins on the date of shipment. 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 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 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), to the nearest Fluke authorized service center. 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 the failure was caused by neglect, misuse, contamination, alteration, accident or abnormal condition of operation or handling, including overvoltage failures caused by use outside of 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).

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