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# Fluke 1520 MegOhmMeter Specifications

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## Technical Data

|   |   |
|---|---|
| Auto ranges                               | Range: 4 MΩ, 40 MΩ, 400 MΩ, 4000 MΩ<br>Accuracy to 100 MΩ: 2% + 2 counts<br>over 100 MΩ: 10% + 2 counts + 1% / GΩ<br>Resolution: 0.001MΩ to 10 MΩ |
| Test voltages                             | Range: 250V, 500V, 1000V<br>Accuracy: +20%, -0%   |
| Max measurement current                   | 1 mA  |
| Audible/visible voltage warning           | ≥ 30V ac or dc  |
| Lo-Ohms resistance                        | Range: 0 to 40Ω<br>Accuracy: 2% + 2 counts<br>Resolution: 0.01Ω   |
| Lo-Ohms analog bar graph                  | 0 to 100Ω   |
| Lo-Ohms audible / visible voltage warning | ≥ 30V ac or dc  |
| Resistance                                | Range: 4 k Ω<br>Accuracy: 2% + 2 counts<br>Resolution: 1Ω   |
| Analog bar graph                          | 0 to 10kΩ   |
| Voltage                                   | Range: 0 to 600V ac (50/60 Hz), 0 to 600V dc<br>Accuracy: 2% + 2 counts<br>Resolution: 1V   |

## Safety Specifications

|                      |                               |
|----------------------|-------------------------------|
| Electrical safety    | Meets IEC 1010-1 and EN 61557 |
| Protection class     | Pollution degree II           |
| Overvoltage category | IEC 1010-1 CAT III 600V       |
| Agency approvals     | UL, CSA, TUV (pending)        |

## Environmental Specifications

|                                 |                           |
|---------------------------------|---------------------------|
| Operating temperature           | -10°C to +50°C            |
| Storage temperature             | -40°C to +70°C            |
| Humidity (without condensation) | 75% RH (40°C)             |
| Dust / water resistance         | IP42 per IEC 529          |
| Operating altitude              | 2,500 meters (7,500 feet) |

## Mechanical & General Specifications

|                        |   |
|------------------------|---|
| Battery check function | Indicates remaining percent of charge       |
| Size                   | 241 x 108 x 72mm (9.5 x 4.25 x 2.85 inches) |
| Weight                 | 1.1 kg (2.5 lbs)                            |
| Batteries              | 4 C size 1.5V alkaline                      |
| Warranty               | 3 years                                     |