



PROSKIT LCR MT5211

The **PROSKIT MT-5211** is a handheld LCR (Inductance, Capacitance, Resistance) meter designed for measuring electronic components such as resistors, capacitors, and inductors. It is a compact and portable device commonly used by engineers, technicians, and hobbyists for testing and troubleshooting electronic circuits.

Key Features of the PROSKIT MT-5211:

1. **Measurement Parameters:**
 - Capacitance (C)
 - Inductance (L)
 - Resistance (R)
2. **Measurement Ranges:**
 - Capacitance: Typically ranges from pF (picofarads) to μF (microfarads).
 - Inductance: Usually ranges from μH (microhenries) to H (henries).
 - Resistance: Ranges from Ω (ohms) to $\text{M}\Omega$ (megaohms).
3. **Accuracy:**
 - High accuracy for reliable measurements, often with a resolution of 0.1% or better depending on the range.
4. **Display:**
 - LCD screen for clear and easy-to-read measurements.
5. **Auto-Ranging:**
 - Automatically selects the appropriate measurement range for convenience.
6. **Test Frequency:**
 - May offer multiple test frequencies (e.g., 100 Hz, 1 kHz) for more accurate measurements of reactive components.
7. **Compact and Portable:**

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- Lightweight and handheld, making it easy to carry and use on the go.
- 8. **Battery Powered:**
 - Typically powered by standard batteries (e.g., 9V) for portability.
- 9. **Additional Features:**
 - Diode and continuity testing in some models.
 - Data hold function to freeze the display for easy reading.



Common Applications:

- Testing and troubleshooting electronic circuits.
- Quality control in manufacturing.
- Educational purposes for students learning electronics.
- Repair and maintenance of electronic devices.

Notes:

- Always refer to the user manual for specific details about measurement ranges, accuracy, and operating instructions.
- Ensure the device is calibrated and used within its specified limits for accurate results.