CLAMP METER PROSKIT MT-3102

The **Proskit MT-3102** is a digital clamp meter designed for measuring electrical parameters such as AC/DC current, voltage, resistance, and continuity. It is a versatile tool commonly used by electricians, technicians, and DIY enthusiasts for troubleshooting and maintenance of electrical systems.

Key Features of the Proskit MT-3102:

1. **AC/DC Current Measurement**:
   - Can measure both AC and DC current using the clamp function.
   - Typical range: Up to 400A (depending on the model).
2. **Voltage Measurement**:
   - Measures AC and DC voltage.
   - Typical range: Up to 600V.
3. **Resistance and Continuity**:
   - Measures resistance (ohms) and includes a continuity buzzer for quick checks.
4. **Data Hold**:
   - Allows you to freeze the displayed reading for easy recording.
5. **Auto-Ranging**:
   - Automatically selects the appropriate measurement range for convenience.
6. **Backlit Display**:
   - Features a clear LCD with backlight for visibility in low-light conditions.
7. **Jaw Size**:
   - The clamp jaw is typically designed to accommodate large conductors (e.g., up to 30mm in diameter).
8. **Safety Standards**:

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- Complies with safety standards such as CAT III 600V, ensuring safe use in electrical environments.

Common Applications:

- Measuring current in live wires without breaking the circuit.
- Troubleshooting electrical circuits and devices.
- Checking voltage levels in outlets, batteries, or circuits.
- Testing continuity in wires and connections.

Specifications (may vary slightly by model):

- **Current Range**: 0.1A to 400A (AC/DC).
- **Voltage Range**: 0.1V to 600V (AC/DC).
- **Resistance Range**: 0.1Ω to 40MΩ.
- **Frequency Range**: Typically 40Hz to 400Hz.
- **Display**: 3.5 or 4-digit LCD with backlight.
- **Power Supply**: Usually a 9V battery.

Safety Tips:

- Always ensure the clamp meter is set to the correct function and range before use.
- Do not exceed the maximum voltage or current ratings to avoid damage or injury.
- Use proper personal protective equipment (PPE) when working with live circuits.