



LIGHT LEVEL METER PROSKIT MT-4617

The **Proskit MT-4617** is a **light level meter** designed to measure illuminance levels in various environments. It is commonly used in photography, filmmaking, indoor lighting design, and workplace safety to ensure proper lighting conditions. Below are some key features and specifications of the Proskit MT-4617:

Key Features:

1. **Illuminance Measurement:**
 - Measures light intensity in **lux (lx)** or **foot-candles (fc)**.
 - Suitable for a wide range of lighting conditions, from low to high brightness.
2. **Wide Measuring Range:**
 - Typically ranges from **0 to 200,000 lux** (or equivalent in foot-candles), depending on the model.
3. **Auto-Ranging:**
 - Automatically selects the appropriate measurement range for accurate readings.
4. **Data Hold Function:**
 - Allows users to freeze the displayed reading for easy recording.
5. **Compact and Portable:**
 - Lightweight and handheld design for easy use in various environments.
6. **LCD Display:**
 - Features a clear, easy-to-read digital display.
7. **Photodetector:**
 - Equipped with a sensor (usually a silicon photodiode) for accurate light level detection.
8. **Low Battery Indicator:**



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- Alerts users when the battery needs replacement.
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Typical Applications:

- **Photography and Videography:** Ensuring proper lighting for shoots.
 - **Indoor Lighting Design:** Evaluating and optimizing lighting in homes, offices, and commercial spaces.
 - **Workplace Safety:** Checking compliance with lighting standards for safety and productivity.
 - **Environmental Studies:** Measuring natural and artificial light levels in various settings.
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Specifications (may vary slightly by model):

- **Measurement Range:** 0 to 200,000 lux (or equivalent in foot-candles).
 - **Accuracy:** Typically $\pm 3\%$ to $\pm 5\%$ of the reading.
 - **Resolution:** 0.1 lux (for low ranges).
 - **Sampling Time:** Approximately 0.4 seconds.
 - **Operating Temperature:** 0°C to 40°C (32°F to 104°F).
 - **Power Source:** Usually a 9V battery.
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How to Use:

1. Turn on the device and ensure it is set to the correct unit (lux or foot-candles).
 2. Place the sensor in the area where you want to measure the light level.
 3. Read the measurement on the LCD display.
 4. Use the data hold function if needed to record the reading.
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Maintenance Tips:

- Keep the sensor clean and free from dust or debris.
- Store the device in a cool, dry place.
- Replace the battery when the low battery indicator appears.

