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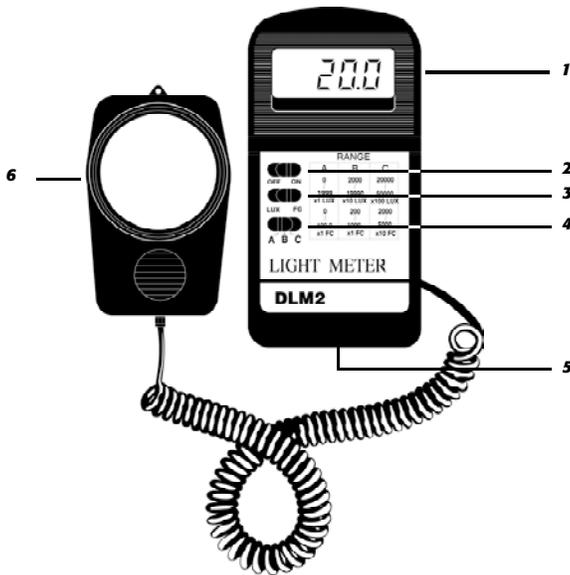
Introduction

The DLM2 is designed to measure light levels in foot-candles or lux over 3 ranges.

Features include

- 0 - 5000 foot-candles
- Over 3 lux ranges
- Accurate to $\pm 5\%$ with a 0.4 second sampling rate
- Easy to read LCD display

Controls and Indicators



1. **Digital Display**
2. **OFF/ON Switch**
3. **LUX/FC Switch**
4. **Range Switch**
5. **Battery Compartment/Cover**
6. **Light Sensor**

Operating Instructions

Measuring Procedure

1. Slide the "**OFF/ON**" switch to the "**ON**" position.
2. Determine lux or foot candle (FC) on the "**LUX/FC**" switch.
3. Select the maximum range on the "**RANGE**" switch.
4. Hold the "**Light-Sensor**" by hand and face the measuring light oppositely. The display will show light values directly.

Measuring Consideration

1. As the range B (2000 - 19990 LUX, 200 - 1999 FC) is designed and to measure the light values ≥ 2000 LUX (200 FC). So if the measured light values are less than 2000 LUX (200 FC), select the "**RANGE**" switch to the lower range to get high resolution and precision. Otherwise the display may show some value readings but may not be correct.
2. As the range C (20000 - 50000 LUX, 2000 - 5000 FC) is designed to measure the light values ≥ 20000 LUX (2000 FC). If the measured light values are less than 20000 LUX (2000 FC), select the "**RANGE**" switch to the lower range to get high resolution and precision. Otherwise the display may show some value readings but may not be correct.

Maintenance

Periodic Service



WARNING!

Repair and service of this instrument is to be performed by qualified personnel only. Improper repair or service could result in physical degradation of the meter. Perform only those maintenance tasks that you are qualified to do.

These guidelines will help you attain long and reliable service from your meter:

- Calibrate your meter annually to ensure it meets original performance specifications
- Keep your meter dry. If it gets wet, wipe dry immediately. Liquids can degrade electronic circuits
- Whenever practical, keep the meter away from dust and dirt that can cause premature wear
- Although your meter is built to withstand the rigors of daily use, it can be damaged by severe impacts. Use reasonable caution when using and storing the meter

Cleaning

Periodically clean your meter's case using a damp cloth. **DO NOT** use abrasive, flammable liquids, cleaning solvents, or strong detergents as they may damage the finish, impair safety, or affect the reliability of the structural components.

Battery Replacement

Always use a fresh replacement battery of the specified size and type. Immediately remove the old or weak battery from the meter and dispose of it in accordance with your local disposal regulations. Batteries can leak chemicals that corrode electronic circuits. If your meter is not going to be used for a month or more, remove and store the battery in a place that will not allow leakage to damage other materials.

To install a new battery, follow these procedures:

1. When the left corner of LCD display indicates "LO BAT", it is time to change the battery.
2. Remove battery cover and remove battery.
3. Replace with 9 V battery and reinstall battery cover.



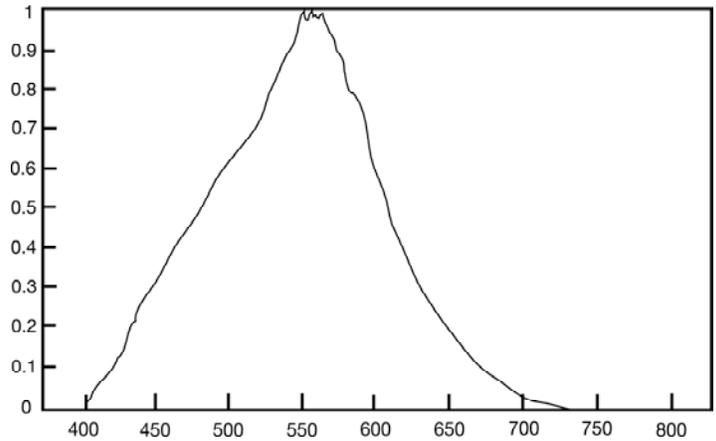
WARNING!

Under no circumstances should you expose batteries to extreme heat or fire as they may expose and cause injury.

Electrical Specifications

Measurement	Range	Resolution	Accuracy
Lux	0 - 1,999 Lux	1 Lux	±(5% + 2 d)
	2,000 - 19,999 Lux	10 Lux	±(5% + 2 d)
	20,000 - 50,000 Lux	100 Lux	±(5% + 2 d)
Foot candle (FC)	0 - 199.9 FC	0.1 FC	±(5% + 2 d)
	200 - 1,999 FC	1 FC	±(5% + 2 d)
	2,000 - 5,000 FC	10 FC	±(5% + 2 d)

Spectrum For Light Sensor



Specifications

General Specifications

Display	0.5" (13 mm) LCD, 3-1/2 digits, Max indication 1999
Measurement	Lux - 0 to 50,000 Lux, 3 ranges Foot candle (FC) - 0 to 5,000 FC, 3 ranges
Sensor	The exclusive photo diode and color correction filter
Over input display	Indication of "1"
Operating temperature	32° to 122°F (0° to 50°C)
Operating humidity	Less than 80% RH
Power supply	006P DC 9V battery
Power current	Approx. DC 2.7 mA
Weight	195 g/0.43 lb. (including battery)
Dimensions	5.2" x 2.8" x 1.0" (131 mm x 70 mm x 25 mm) Sensor: 3.2" x 2.2" x 0.3" (82 mm x 55 mm x 7 mm)
Standard	Instruction manual
Accessories	Sensor probe

Adequate Light Levels For Your Working Or At Your Work Areas

LUXES (1x)	10,000	5,000	3,000	2,000	1,500	1,000	750	500	300	200	150	100	75	50	30	20
Locations																
Factory				Electronic parts assembly line • Drafting	Typesetting at print shop • Inspection work		Visual work at production line		Packing room		Exit Entrance Passage		Indoor emergency stairs warehouse • Loading or unloading work			
Office				• Typing • Drafting	Clerical work		Conference room Dinning room Reception room		• Corridor • stairs		Entrance Warehouse		Indoor emergency stairs			
House				Sewing	• Reading • Study		Make-up	Dinning table	Recreational activities	Washing						
Store				For-front of show window	• Show window • Packing table		Elevator	Display stand	Reception room	• Corridor • stairs	Indoors					
Hospital	Eye inspection				Operating room Emergency Treatment		Medical examination room Dinning room		Waiting room	Sick-room Warehouse	Stairs	Emergency stairs				
School				• Drafting • Laboratory • Library		Classroom		• Indoorgymnasium • Auditorium • Wash room				Emergency stairs				
Restaurant				Show window		• Cooking room • Dinning table		• Entrance • Wash room		• Corridor • Stairs						
Barber/Beauty parlor				• Hair dying • Makeup • Hair dressing		• Shaving • Hair washing • Dressing										



DLM2

Digital Light Meter

Limited Warranty

The DLM2 is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at UEi's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. UEi shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

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This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

