

# MarMonix MLM 1050

## Lux / Illuminance Meter

Data Sheet



### Quick Spec Highlights

- **Measurement Range:** 0 ~ 200,000 Lux (0 ~ 18,581 Fc)
- **Accuracy:** ±3% (0-999.9 Lx), ±4% (≥1,000 Lx)
- **Response Time:** Fast, sensitive detection for low-light <10 Lx
- **Sensor Type:** Silicon photodiode illuminance probe

### Key Features

- **Wide Range:** Four gears (0.1-100 Lx resolution) for accurate low to high light levels.
- **Dual Units:** Lux (Lx) / Foot-candles (Fc) selectable.
- **Temperature Sensor:** -10 to 65 °C environmental monitoring.
- **Safety Alarms:** Adjustable high/low thresholds (default 20,000 / 0).
- **Efficient Design:** Auto-ranging, fast low-light response, auto shut-off.
- **Durable Build:** Split probe with silicon photodiode for stable, precise readings.

### Ordering Info

- **Part Number:** 7603141
- **GTIN:** 6298043998208

### Package Contents

- 1 x MLM 1050 (main Unit)
- 1 x Separate Light Sensor Probe (with cable)
- 1 x Carrying Case
- 1 x USB Cable
- 1 x User Manual
- 1 x Certificate of Conformity
- 1 x Warranty Card

### Warranty

This device is covered by a 2-year warranty from the date of purchase, ensuring reliability and long-term support. The warranty applies to defects in materials and workmanship under normal use. It excludes consumables (fuses, disposable batteries) and damage caused by accident, misuse, modification, contamination, or operation outside specified conditions.

### Specifications

illuminance probe	silicon photodiodes		
Illuminance range	0~200000Lx (0~18581Fc)		
gears	Gear range	resolution	error
1 gear	0~999.9Lx (0~92.894Fc)	0.1 Lx (0.01Fc)	±3%
2 gear	1000~9999Lx (93~929Fc)	1 Lx (0.1Fc)	±4%
3 gear	10000~99999Lx (929~9290Fc)	10 Lx (0.9Fc)	±4%
4 gear	100000~200000Lx (18581Fc)	100 Lx (9.3Fc)	±4%
Temperature range	-10°C~65°C (14°F~149°F)	0.1 °C (32°F)	±1.5°C (35°F)