

Model LM631 Digital Light Meter



- Measures wide range of light up to 20,000 fc or lux, front panel switchable
- Accurate, high resolution of 0.01 fc/lux
- Sensor dome has 45" attached cord
- Built-in CIE spectrum curve for accurate human eye response
- Peak hold and data hold
- Large, 3-1/2 digit display with backlight feature
- Meets CE EN61326-1 certification for safety ratings
- Shipped with carrying case, lens cover, batteries and manual

This instrument is a portable, easy-to-use, 3½-digit, compact sized digital light meter designed for simple one-hand operation reading in lux or fc units.

Pressing the PEAK button for more than 2 seconds turns the backlight on and off.

There is also an auxiliary output at the microphone jack (2.5 mm) connector that is active as long as the light meter is turned on.

LM631 Specifications (at 23°C±5°C, <75% R.H. non-condensing)

Visual Light Intensity	
Ranges	20 lux, 200 lux, 2000 lux, 20000 lux 20 fc, 200 fc, 2000 fc, 20000 fc
Total Accuracy	For CIE standard illuminant A (2856K): ± (3 % rdg + 10 dgts)
Temperature Coefficient	0.1 x (specified accuracy)/°C (< 18 °C or > 28 °C), 0.056 x (specified accuracy)/°F (< 64.4 °F or > 82.4 °F)
Resolution	0.01 lux; 0.01 fc
Spectral Response	CIE photopic - CIE standard illuminant A
Acceptance Angle	$f'_{2} < 2\%$; cosine corrected (150 °)
Peak Hold Response Time	> 50 mS pulse light
Analog Output	1 mV = 1 lux or 10 mV = 1 fc, nominal, continuous output

The CIE photopic curve is an international standard for the color response of the average human eye. CIE standard illuminant as a is defined as a gas-filled tungsten-filament lamp operating at a correlated color temperature.

General Specifications

Display: 3½-digit (LCD) with maximum reading of 1999; **Overrange:** (OL) is displayed; **Low Battery Indication:** Change batteries immediately; **Measurement Rate:** 2.5 times per second, nominal; **Operating Environment:** 0 °C to 50 °C (32 °F to 122 °F) at < 75% R.H.; **Storage Temperature:** - 20 °C to 60 °C (- 4 °F to 140 °F), 0 to 80 % R.H. with batteries removed; **Environment:** Indoor use, altitude up to 2000 m; **Battery:** 4 pieces 1.5 V (AAA size) UM-4, R03; **Battery Life:** 200 hours carbon-zinc battery; **Auto Power Off:** Approximately 15 seconds; **Standby Current:** < 1 µA; **Dimensions:** 170 x 44 x 40 mm; **Weight:** 220 g including batteries; **Warranty:** One-year



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Meterman Test Tools

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