



## LM631A Digital Light Meter

This instrument is a portable, easy-to-use, 3-1/2-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.

- 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
- No hassle one year warranty

### No hassle warranty

*No waiting.*

*No shipping charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)

#### Included Accessories

Lens Cover, Batteries, Carrying Case and Users Manual



## LM631A Digital Light Meter

## Data Sheet

### General Specifications

<b>Display:</b>	3 1/2-digit (LCD) with maximum reading of 1999
<b>Overrange:</b>	(OL) is displayed
<b>Low Battery Indication:</b>	Change batteries immediately
<b>Measurement Rate:</b>	2.5 times per second, nominal
<b>Operating Environment:</b>	0 °C to 50 °C (32 °F to 122 °F) at < 75% R.H.
<b>Storage Temperature:</b>	- 20 °C to 60 °C (- 4 °F to 140 °F), 0 to 80 % R.H. with batteries removed
<b>Environment:</b>	Indoor use, altitude up to 2000 m
<b>Battery:</b>	4 pieces 1.5 V (AAA size) UM-4, R03
<b>Battery Life:</b>	200 hours carbon-zinc battery
<b>Standby Current:</b>	<1 µA; Dimensions: 170 x 44 x 40 mm
<b>Weight:</b>	220 g
<b>Warranty:</b>	One-year

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

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