

Instructions

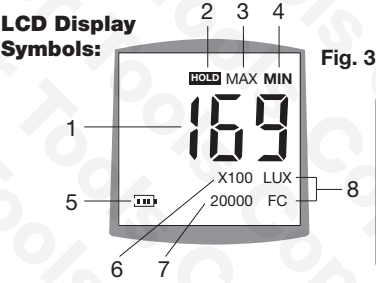
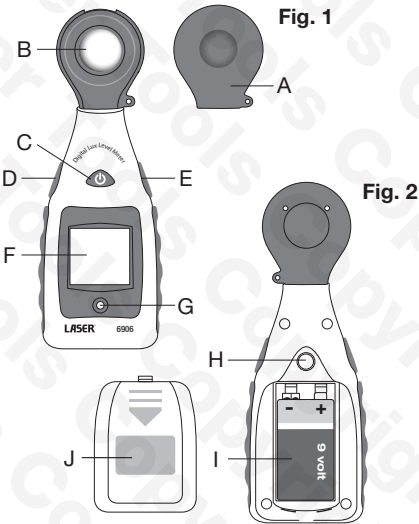
The Laser 6906 is a Digital Lux Level Meter and is used for measuring brightness. Low Lux levels (insufficient light) are a common cause of fatigue and muscle strain. This becomes more likely if the exposure is consistent over longer periods of time. The same is true for high Lux levels (excessive light). Glare and reflected light can be distracting and impair vision. This is particularly dangerous when a job requires the operator’s full attention. Those working with machinery or hazardous chemicals are at a much greater risk. Using the digital Lux level meter to measure light levels in your workplace can help you to avoid these issues. With the 6906 Lux level meter you can measure many different light levels, from gloomy corridors (about 10 Lux) to bright outdoor light (about 100,000 Lux).

The instrument displays light readings in LUX or FC (foot-candle); one foot-candle is equal to one lumen per square foot or approximately 10.764 Lux. The LCD display has an automatic back-light, making the data easy to read in a dark environment. CE certificated, RoHS compliant.

Controls:

Refer to Figs. 1 & 2:

A	Protective Cover
B	Light Sensor
C	Power Switch
D	Range
E	Data capture: MAX/MIN/HOLD
F	LCD Display
G	Light Sensor
H	Tripod Mount
I	Battery (9 volt PP3)
J	Battery Door



1	Main display (measurement value)	5	Battery indicator
2	HOLD indicator	6	Reading X
3	MAX indicator	7	Range
4	MIN indicator	8	Measurement unit (LUX or FC)

Operation:

Refer to Fig. 2: Before using the device, open the battery door (press down in direction of arrow) and install the 9V PP3 battery. When battery indicator (5 in Fig. 3) shows battery is low (zero bars) then replace battery. Using the device with a weak battery may show incorrect readings.

1. Remove protective cover (A).
2. When the device is switched OFF, hold the range button (D) down while holding the power switch (C) for approximately 5 seconds — unit display between LUX and FC (foot candle).
3. Switch the device ON by pressing the power switch (C). This will change the unit display between LUX and FC (foot candle).
4. Press the range button (D) to select the desired measuring range. The standard range (display reading X1) is 0-2000 Lux; the second range (display reading X10) is 2000-20,000 Lux; the third range (display reading X100) is 20,000– 200,000 Lux. Pressing the button D again returns to the standard range.
5. If the measurement is out of range, a 1 indication will appear.
6. Data capture button (E): press to select HOLD, MAX or MIN; press again to return to normal reading mode.
7. HOLD displays the last-measured figure.
8. MAX displays the maximum light level; this will change if the light level increases.
9. MIN displays the minimum light level; this will change if the light level decreases.
10. You can measure light levels by holding the instrument in your hand, or mounting on a tripod. Refer to H in Fig. 2 for position of tripod mount.

Additional Functions:

- Automatic back-light: when there is a low light environment, the sensor (G) will detect this and switch on the LCD display back-light.
- The device will automatically power off after 10 minutes. Use power switch (C) to turn off directly.

Specification:

Measuring range:	1 -100,000 Lux/1-200,000 Lux
Sampling rate:	1.5 per second
Measurement repeatability:	1%
Accuracy:	<3% rdg ,5% FS, 4% rdg 0dgt, if <10,000 Lux (calibrated to a standard incandescent lamp of colour temperature 2856K).
Power Supply:	9V PP3 battery supplied
Operating conditions:	0°C - 50°C
Storage conditions:	-10°C - 50°C

Maintenance:

- Do not store or operate the instrument at high temperatures or in conditions of high humidity, dampness or condensation.
- If the instrument is not to be used for a long period, remove the battery to avoid harmful leakage.
- Keep instrument dry and avoid severe vibration.
- Protect the instrument from electromagnetic fields and static electricity.

Precautions:

- Do not let untrained persons use the instrument.

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