

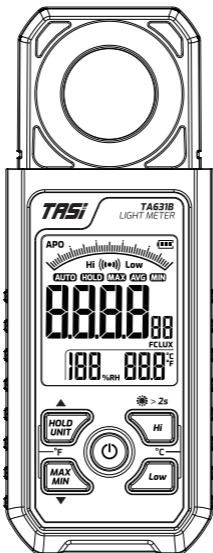
TASI

TA631A / B

LIGHT METER

Instruction Manual

CE



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Pack #:PB01-0183

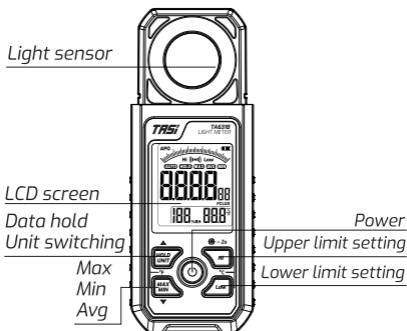
Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our TASI product.

⚠ Notice: *Before using this instrument, please read this manual carefully.*

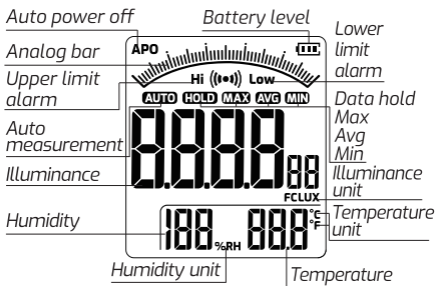
Product Features

- *Wide measurement range: 0.1~300,000 Lux;*
- *With auto range selection;*
- *With data hold, max/min/avg measurement function;*
- *Auto power off and cancel auto power off function ;*
- *Hi, Low alarm limit setting function;*
- *With backlight and color backlight alarm function;*
- *With temperature and humidity measurement function (only TA631B with humidity);*
- *Analog bar scale indication and low battery indication function.*

Panel Instruction



Display



Specifications

Model	TA631A	TA631B	
Range	0.1~199999Lux 0.01~19999Fc	0.1~299999Lux 0.01~29999Fc	
Measuring level	99.9/999.9/ 9999/99999/ 200000Lux 99.99/999.9/ 9999/19999FC	99.9/999.9/ 9999/99999/ 300000Lux 99.99/999.9 9999/29999FC	
Accuracy	±(4%+5Lux)(calibrated under the standard incandescent lamp at color temperature 2856°K); ±(6%+5Lux)other visible light cosine angle deviation feature 30°±2% 60°±6% 80°±25%		
Resolution	LUX : <1000:0.1; ≥1000:1 FC: <100:0.1; <1000: 0.1F ; ≥1000:1		
Display	6 digits, max 999999		
Light sensor	Digital light probes and filters		
Sampling rate	Approx. 8 times/s		
Incident angle	120°		
Repeated test deviation	±2%		
Spectral range	400~700nm		
Ambient temp.	Range	0~60 °C	0~60 °C
	Accuracy	±2 °C	±1 °C
Ambient hum.	Range	-	0~99%RH
	Accuracy	-	±8%RH
Auto power off	10mins (can be canceled manually)		
Working environment	-10~50°C, max 80%RH, indoor altitude<2000m		
Storage environment	-10~ 50°C, max 70%RH (battery removed)		
Product size	152 x 55 x 33mm		
Screen size	37 x 41mm		
Weight	Approx. 136g (battery not included)		
Power	3 x 1.5V AAA (R03/LR03)		

Button Function Description

⏻ : Power button, long press to turn-on and lightly to turn-off;

▲ : Under the Hi/Low menu, uses for adding data, long-press to increase;

▼ : Under the Hi/Low menu, uses for deducting data, long press to decrease;

HOLD: Data hold, tap to turn on and turn off the data hold function;

MAX/MIN/AVG: Short-press to cycle among the maximum value, minimum value, average value and the real-time value;

UNIT: long press to switch between Lux (lux) and FC (foot candles) units;

Hi indicates over upper limit alarm setting: short press once to enter, adjust the alarm value by pressing the ▲/▼ key, and press again to exit the setting;

Low indicates over lower alarm value setting: short press once to enter, adjust the alarm value by pressing the ▲/▼ key, and press again to exit the setting;

Press ☀ > **2s** to turn on the backlight, long press again for 2s to turn off the backlight, the backlight has no automatic shutdown function, and it will automatically turn off after automatic shutdown;

HOLD+MAX/MIN long press together to switch the temperature unit into Fahrenheit;

Hi+Low long press together to switch the temperature unit into Celsius.

Note: The recorded data will be saved to avoid lost after power-off or replace the battery.

Selecting light source(only TA631B)

Long press the Low button over 2s, the sub-window area shows 'L', enter the light source selection mode, the light source serial number varies from L0 to L9 when pressing the ▲ or ▼ key, after selecting the light source type, long press the Low button over 2s to enter the normal measurement mode; the sub-window area displays the light source serial number, and then you can perform different light source measurement.

Self-defined light source coefficient

- Long press the Low button over 2s, the sub-window area shows 'L', enter the light source selection mode, the light source serial number varies from L0 to L9 when pressing the ▲ or ▼ key, then choose one from L7, L8 and L9;
- Short press Low button, the light source coefficient flickering on the display, indicating that it enters the coefficient setting mode. Then press the ▲ or ▼ key to increase or decrease the coefficient value, long press the ▲ or ▼ key to increase or decrease the coefficient value quickly, short press Low to exit the coefficient setting, Long press the Low button to exit, measurement data will be saved automatically.

Note: Self-defined light source coefficient will be saved automatically when turning off, and the recorded data will be saved to avoid lost after power-off or replace the battery.

Remark:

L0—>Standard light source: 1.000

L1—>White LED: 0.990

L2—>Red LED: 0.516

L3—>Yellow LED: 0.815

L4—>Green LED: 1.216

L5—>Blue LED: 1.475

L6—>Purple LED: 1.148

L7--L9—>Self-defined light: 1.000 (default), the coefficient value can be adjusted.

Measurement Method

- Press \odot to turn on the meter;
- Remove the protective cover, and put the light sensor at the location to be measured;
- Read the measured value on the LCD display.
- Refer to the function description of each button, press the function button to enter each measurement function;
- Measuring done, press the power button to turn it off.

Auto Power Off and Cancel Auto Power Off

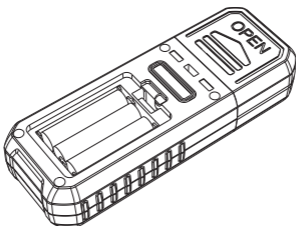
- The auto power off function switches on by default, the screen shows the APO symbol when turning on the meter. Only if you stop using it for 10minutes will it trigger the automatic power off mode;
- If you need to cancel the automatic shutdown function, press HOLD and POWER button to turn on the meter, the APO symbol will not appear and the automatic power off function is canceled. The auto power of function can be restored as long as restart the meter;

- When the meter turns on the auto shutdown function, the display screen shows the APO symbol, APO symbol will disappear once canceled the auto shutdown function.

Battery Replacement

- When low battery appeared, the battery level shows empty, indicating that the battery needs to be replaced;
- Replace the 3pcs AAA batteries by removing the battery compartment cover, please pay attention to the battery polarity when placing the battery into the compartment;
- Ensure that the compartment cover is securely fastened when finished.

Remark: when the battery is lower than about 3.7V, the battery low voltage prompt.



Maintenance

- *Do not measure for a long time under high temperature and high humidity environment;*
- *Please keep the light sensor clean when using the light meter;*
- *The standard light source measurement position is at the top of the light sensor;*
- *Regular calibrated is needed to maintain the accuracy of the device;*
- *Please remove the battery if not used for a long time;*
- *If your device does not work properly, and the repair requirements was confirmed by the manufacturer or dealer. The user should provide a text failure description and packing list , and the packaging should be well cushioned and protected.*

Recommended Illumination in Different Locations

1 fc=10.76 lux

School

Illuminance (LUX)	Locations
1500~300	Laboratory, Computer room, Drafting room
750~200	Classroom, Conference room, Library
300~150	Hall, Rest room, Stairs, Big classroom
150~75	Corridor, Elevator, Toilet
75~30	Warehouse, Garage, Escape stairs

Office Building

Illuminance (LUX)	Locations
2000~1500	Design house
1500~750	Hall channels(day), Punch, Typing
750~300	Office, Computer room, Meeting room
300~150	Stacks, Playroom, Lounge, Guard room, Toilet
150~75	Tea room, Dressing room
75~30	Escape stairs

Home

Illuminance (LUX)	Locations
2000~1500	Handcraft, Tailor
1000~750	Writing, Homework
750~300	Reading, Makeup, Desk, Nursing, Phone
300~150	Laundry tray
150~70	Closet, Bedroom, Bathroom, Stairs, Hallway
75~30	Door plate, Mail box, Doorbell button, Balcony

Factory

<i>Illuminance (LUX)</i>	<i>Locations</i>
<i>3000~1500</i>	<i>Ultra precision machining and inspection, Drawing</i>
<i>1500~750</i>	<i>Design, Analysis, Assembly</i>
<i>750~300</i>	<i>Packaging, Surface work .</i>
<i>300~ 150</i>	<i>Dyeing, Casting, Electrical room .</i>
<i>150~ 75</i>	<i>Exit, Corridor, Channel, Stairs, Toilet</i>
<i>75~30</i>	<i>Warehouse, Garage, Escape stairs</i>

Hospital

<i>Illuminance (LUX)</i>	<i>Locations</i>
<i>10000~5000</i>	<i>Special inspection</i>
<i>1500~750</i>	<i>Operating room</i>
<i>750~300</i>	<i>Anatomical room, Office, Conference room</i>
<i>300~150</i>	<i>Ward, Drug room, Corridor</i>
<i>150~75</i>	<i>Dressing room, X-ray room</i>
<i>75~30</i>	<i>Dark room(photos), Escape stairs</i>

Hotel Restaurant Club

<i>Illuminance (LUX)</i>	<i>Locations</i>
<i>1500~750</i>	<i>The front desk</i>
<i>750~300</i>	<i>The banquet hall, Meeting room, Park, Kitchen</i>
<i>300~150</i>	<i>Dining-room, Toilet</i>
<i>150~75</i>	<i>Playroom, Stairs, Bathroom, Changing room</i>
<i>75~30</i>	<i>Warehouse</i>

TASI



Product: LIGHT METER
Model: TA631A/B
Manufacture place: **MADE IN CHINA**

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