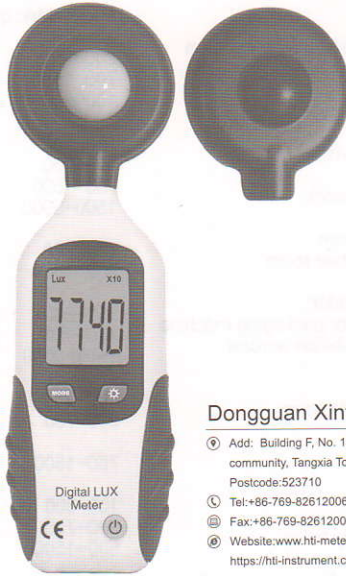


Hti HT-82

Light Meter

Instruction Manual



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<https://hti-instrument.com> www.xintest.en.alibaba.com

1. Features

- ※ easy to handle ,Compact, easy to carry
- ※ LCD displays with LUX, FC, MIN, MAX indication
- ※ high accuracy, wide measurement range.
- ※ measurement range : 0~200000 Lux
- ※ the resolution can be 0.1lux/Fc when the light reaches 200 Lux/Fc.
- ※ Automatic changeable function Lux to Fc.
- ※ The max hold function
- ※ Backlight LCD display
- ※ automatic power off.

2. specification

LCD display: When the numerical values within 1999, there is an indication of LUX, FC, MIN, MAX, etc.

Overload indication: OL will be displayed when goes beyond max measurement.

Low battery indication : display  when low battery

Response rate : 2.5 time/sec

Storage temperature : -10°C~60°C (14°F~140°F),0-80%RH

Operating environment : 0°C~40°C (32°F~104°F) & 0%~80% RH

Auto power off: about 15 minutes if it without any operating.

Battery : standard 9V battery ×1 pcs

Dimension and weight : 195×55×35mm/ 100g

Measurement grades : 3 grades as below 20; 2000(x10); 2000(x100).
lux/fc. (1FC=10.76Lux)

Accuracy: ±5% rdg +10 dgts (<10,000lux/Fc)

±10% RDG + 10 DGTS (> 10,000 Lux/fc)

3. light meter parts introduction

1. Light Sensor
2. function keys
LUX/FC selection.
3. Power button
Switch instrument
4. LCD backlight controller
Press it shortly to choose the values of max, min and normal measurement.
press it for 2 seconds to turn on the backlight.

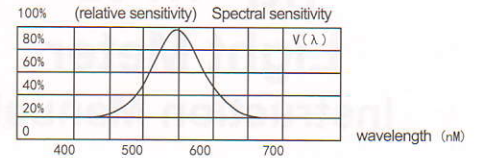


5. Grade indicator
Showing "x10" means at the grade of 2000 (x10) Lux, at this point the displayed value should be multiplied by 10.
Showing "x100" means at the grade of 2000 (x100) Lux, at this point the displayed value should be multiplied by 100.
6. LCD display

4 operation

Measuring light intensity
Press the power button, LCD will work on and into normal measurement automatically. Move the light sensor to illuminant, and keep it vertically with illuminant, There will be a value.
As the change of light intensity, the measuring range will be switched automatically, there are 5 grades of lux unit: 20.0 lux, 200.0 lux, 2000 lux, 20000 lux, 200000 lux, or 2.0 FC, 20.0 FC, 200 FC, 2000 FC, 20000 FC.
Press mode button will shift LUX to FC.
Press backlight button shortly to choose the values of max, min and normal measurement. If LCD displays OL, it means the light intensity goes beyond the max measurement range.
Replace the cover of the instrument after finish measurement.

Spectral sensitivity features ; the instrument of optical sensing ray V(λ) components comply with the light of international commission , as below :



The recommended value of commonly used spectrophotometric:

Place	photometric quantity (Lux)
Office space	
The conference room or conference room	200~750
Paperwork	700~1500
Typewriting draft	1000~2000
Factory	
Packaging or the aisle	150~300
The production line of vision	300~750
Check the work	750~1500
The day the assembly work	1500~3000
The hotel	
Public places or bathroom	100~200
Reception room or cashier room	200~1000
Shop	
Indoor staircase or corridor	150~200
The exhibition window or packaging machine	750~1500
The receptionist or exhibition window	1500~3000
Hospital	
Ward or warehouse	100~200
The medical examination room	300~750
Surgery	
The emergency room	750~1500
School	
Hall, indoor stadium	100~300
Classroom	200~750
Laboratory, library, study room	500~1500

5 Battery Replacement

It need to be replaced battery when the Lcd displays \pm
Open the battery cover then replace a standard 1.5V x 2 battery .