

INS

ILLUMINATION METER

LUX / FOOT-CANDLE

DX-200

勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-34970699

勝特力电子(深圳) 86-755-83298787

[Http://www.100y.com.tw](http://www.100y.com.tw)



Auto-Switchover

Unit conversion of LUX/FC.

Precise wide range to 200,000 LUX

With signal output for system expansion

DIGITAL ILLUMINATION METER

DX-200

FEATURES

- Wide test range. (0~200,000 LUX/0~20,000 FC)
- Automatic range step switchover, and automatic zero adjustment.
- One-touch "Data-Hold" Function.
- The scale is conveniently calibrated in LUX and FOOT-CANDLE.
- Silicon photo sensor for precision measurement and long life.
- Multi-function of digital display can be shown various function and automatic alarm.
- Accurate touch membrane keyboard switch panel for dust proof, water proof and long life.
- Signal output for system expansion.

勝 特 力 材 料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787

[Http://www.100y.com.tw](http://www.100y.com.tw)

SPECIFICATIONS

MEASURING RANGE	LUX: 0~200,000 LUX FOOT-CANDLE: 0~20,000 FC
RESOLUTION	0~200 LUX 0.1 LUX 0~20FC 0.01 FC 20~200FC 0.1 FC 200 LUX UP 1 LUX 200 FC UP 1 FC
TEST RANGE SELECTION	AUTO-RANGE (without control switch)
ACCURACY	± 2% of reading ± 1 digit. (CNS 5119 A grade)
RESPONSE TIME	Approx. 0.3 Second
LUX/FC CONVERSION	Auto counting conversion
ZERO ADJUSTMENT	Automatic adjustment
LIGHT SENSOR	High precision SILICON PHOTO CELL
DISPLAY	3½ digital LCD display with multi-function
OUTPUT	DC 0~2VDC, 1mV/digital, impedance: 600Ω. 3.5Ø phone output terminal is provided for connection with recorder, controller, CPU converter.
OPERATING/AMBIENT RANGE	Temperature: -10~50°C (14~122°F) Humidity: Below 85% RH.
POWER SUPPLY	One 9V or IEC 6F22 battery.
BATTERY LIFE	Approx. 180 hours in continuous use.
LOW POWER ALARM	Automatic. " " Lights up on alarm.
DIMENSIONS	Meter: 15 × 7.8 × 2.7cm (5.9×3.1×1.1 inch) Sensing part: 11.5 × 5.0 × 1.5cm (4.5 × 2.0 × 0.6 inch) With extensible coiled cable.
WEIGHT	225gms. (8.0 OZS) including sensor part.

Note: Accuracy tested by a standard bulb of 2856°K color temperature.

DIGITAL DISPLAY MODE



- FC Reading on FOOT-CANDLE (lm/ft²) basic.
- LUX Reading on LUX (lm/m²) basic.
- X10 Reading is multiplied by 10.
- X100 Reading is multiplied by 100.
- HOLD Data hold during measuring.
- Low battery power indicating.

ARCHITECTURE

- Digital illumination Meter
- LUX sensing part
- Instruction manual
- Signal output connector (OPTION)
- 9V006P Battery (OPTION)

• Unit Conversion Table for Illuminance

lux lx (lm/m ²)	photo ph (lm/cm ²)	foot-candle fc (lm/ft ²)	watt per square centimeter* W/cm ²
1	1.000 × 10 ⁻⁴	9.290 × 10 ⁻²	5.0 × 10 ⁻⁶
1.000 × 10 ⁴	1	9.290 × 10 ²	5.0 × 10 ⁻²
1.076 × 10 ¹	1.076 × 10 ⁻³	1	5.4 × 10 ⁻³
2.0 × 10 ⁵	2.0 × 10 ¹	1.9 × 10 ⁴	1

* Total irradiance (measured value) by the CIE standard light source "A"

• All specifications are subject to change without prior notice.