LIST OF PRODUCTS

- ✶ Digital Multimeter
- ✶ Digital AC & AC/DC Clampmeter
- ✶ AC Clamp Adaptor
- ✶ AC/DC Current Adaptor
- ✶ Transistorised Electronic Analog & Digital
- ✶ Insulation Resistance Testers(upto 10 KV)
- ✶ Digital Sound Level Meter & Sound Level Calibrator
- ✶ Digital contact & Non-contact Type Tachometer
- ✶ Digital Non-contact (infrared) Thermometer
- ✶ Thermo Hygrometer
- ✶ Thermo Anemometer
- ✶ Wood & Paper Moisture Meter
- ✶ Distance Meter
- ✶ Digital Hand Held Temperature Indicators
- ✶ Digital Lux Meter
- ✶ Network Cable Tester
- ✶ Power Factor Regulator
- ✶ Maximum Demand Controller/Digital Power Meter
- ✶ Earth Resistance Tester

KUSAM-MECO®

OFFICE ADDRESS / SERVICE CENTER

Shop no.18, 1st Floor, CIDCO Shopping Complex, Plot # 9, Sector-7,

Rajiv Gandhi Marg, Sanpada, Navi Mumbai - 400705.

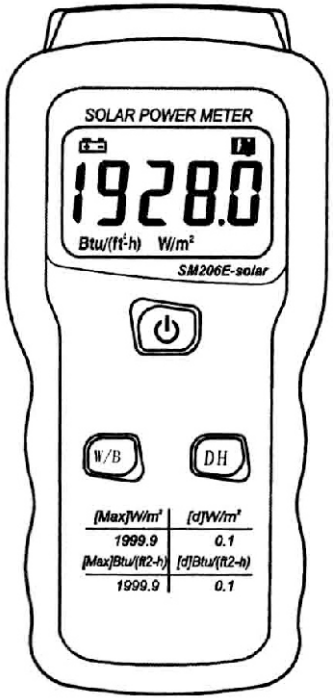
Sales Direct : +91-9867488006, 9867675093

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KUSAM-MECO®

An ISO 9001:2015 Company

SOLAR POWER METER
MODEL - KM 828



As this device is an intellectual precise measurement apparatus, it is very important that you read through these instructions before using this device.

USER MANUAL

I Overview

Thank you for selecting our product. Before using this meter, please carefully read this Manual. It will instruct you on correct operation methods and simple examination and handling essentials so you can benefit from its advantages.

This meter is a precision instrument for measuring light intensity. It is used in solar radiation measurement, solar research, physical and optical experiments, meteorology, and agriculture. It can also be used to measure glass light intensity to verify glass properties. For example: Measurement of light intensity through vehicle windows.

II Features

*Selectable from two units:W/m² and Btu

*4-1/2 digital display

*Data retention function

*Wide measure range without adjustment

III Specifications

*Resolution: 0.1W/m², 0.1 Btu/(ft²-h)

*Error range: ±(10%R+2dgts) R:readings

*Temperature error: ±0.38W/m² / °C
[±0.12 Btu/(ft²-h)/°C] deviation at 25°C

*Display: 4-1/2 LCD display,
maximum displayed numerical value 19999,
over load "OL"

*Drift: < ±1.5% /year

*Measuring range: 0.1~1999.9 W/m²,
0.1~1999.9 Btu/(ft²-h)

*Wave length range: 340~1100nm; Incidence Angle normal direction less than ±45 degree; peak wavelength 900nm

*Sampling time:2.5t/s

*Operation temperature and humidity:
0°C to 40°C <80%RH

*Storage temperature and humidity:
-10°C to 50°C <70%RH

*Dimensions and weight:
132(L)x60(W)x38(H)mm

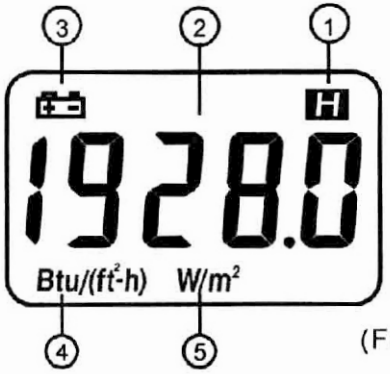
*Weight: approx. 150g

*Battery needed: 9V 6F22 battery

*Battery operation life: Approx. 100 hours

Ⅳ Description of the display (Fig.1)

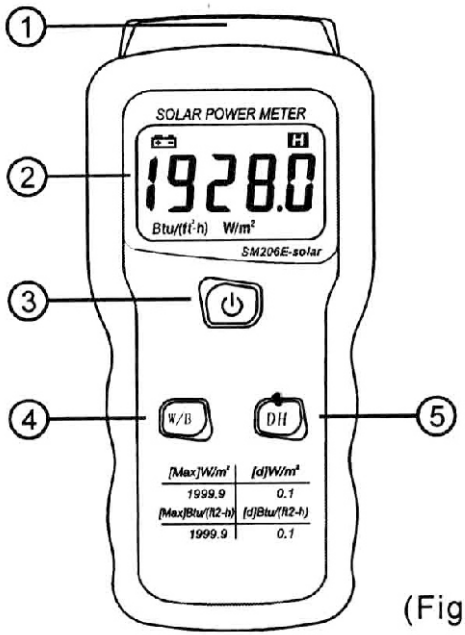
1. Value retention symbol
2. Displayed data
3. Low voltage symbol
4. English unit Btu/ (ft²-h)
5. Metric unit W/m²



(Fig.1)

Ⅴ Description of the keypad(Fig.2)

1.Photosensitive window
2.LCD display
3. ⏻ : ON/OFF button
4.W/B: Units W/m² and Btu/ (ft²-h) selection key
5.HOLD: Value retention Key



(Fig.2)

Ⅵ Operation

1.According to the battery compartment positive and negative, installed the battery correctly, press "⏻" to turn the meter on. It enters the measuring state. The LCD screen displays 00.0. The default unit after turning on is W/m².

2.Press "W/B" to select the unit W/m² or Btu/(ft²-h) as desired.
3.Make measurements after unit selection. Cover the photosensitive test window with the hand, screen displays 000.0 or 000.1 illustrates the instrument work normally, you can start testing .
4.Press "HOLD" during measurement and the LCD screen displays "H" and the displayed value is locked at the same time. Press "HOLD" to exit the data retention function to continue measurement.
5.After the measurement is completed, press " ⏻ " to turn the meter off.

VII Battery replacement

1. When the battery voltage becomes too low, the low battery symbol" ⏻ "will appear on the screen, indicating that the battery needs to be replaced. If it is not replaced in time, the measurement accuracy will be affected.

2. Open the battery door and take out the battery.
3. Correctly install a new 9V battery.
4. If the meter is not used for a long period of time, please take out the battery to prevent damage to the meter from liquid leakage of the battery.

VIII Precautions

1. This meter is a precision instrument. Please store it in the storage device provided with it. Avoid storing it in moist places.
2. Please keep the instrument front "photosensitive window" clean, do not scratch or infected with dirt
3. Never clean or wipe the meter with any liquid or water.

MUMBAI

TEST CERTIFICATE

DIGITAL SOLAR POWER METER

This Test Certificate warrantees that the product has been inspected and tested in accordance with the published specifications.

MODEL NO. **KM 828**

SERIAL NO. _____

DATE: _____

ISO 9001:2015
REGISTERED

QC
KUSAM-MECO
PASS

WARRANTY

Each "KUSAM-MECO" product is warranted to be free from defects in material and workmanship under normal use & service. The warranty period is one year (12 months) and begins from the date of despatch of goods. In case any defect occurs in functioning of the instrument, under proper use, within the warranty period, the same will be rectified by us free of charges, provided the to and fro freight charges are borne by you.

This warranty extends only to the original buyer or end-user customer of a "KUSAM-MECO" authorized dealer.

This warranty does not apply for damaged Ic's, fuses, burnt PCB's, disposable batteries, carrying case, test leads, or to any product which in "KUSAM-MECO's" opinion, has been misused, altered, neglected, contaminated or damaged by accident or abnormal conditions of operation or handling.

"KUSAM-MECO" authorized dealer shall extend this warranty on new and unused products to end-user customers only but have no authority to extend a greater or different warranty on behalf of "KUSAM-MECO".

"KUSAM-MECO's" warranty obligation is limited, at option, free of charge repair, or replacement of a defective product which is returned to a "KUSAM-MECO" authorized service center within the warranty period.

THIS WARRANTY IS BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. "KUSAM-MECO" SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE WHATSOEVER.

All transaction are subject to Mumbai Jurisdiction.