



## SPECTRAL IRRADIANCE METER (Flux Meter)

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### ***Product Description***

For an effective neonate Jaundice treatment, it has become very vital to make sure that the power of the spectral light is adequate. SO, the patient's distance from the lamp is essential to look for as it can affect the treatment greatly. The meter is made to help professionals understand the adequate exposure level of the patient's skin for the therapy during the procedure.

**MANUFACTURED BY:-**

**VNG MEDICAL INNOVATION SYSTEM PVT. LTD.**

**PLOT NO 197 JLPL INDUSTRIAL PARK SECTOR 82**

**MOHALI-140306, PUNJAB**

**Features:**

- This device is operated through a battery.
- Design is compact for easy portability.
- Also, easily integrated with the control boards.

**Specification:**

- Connector type: Mini Din.
- It can be operated for straight three hours at a time.
- Power display in three digits.
- Battery to be used: 9V battery (non-rechargeable) (only one battery is required).
- Measurement range between 0.1 to 99m.
- Response in special cases: 420-520nm, with its peak at 451nm.
- Wire length: 1 meter.
- Probe Dimensions:
- Unit Dimensions: 164mm\*64.5mm\*32mm
- Weight: 725 g

**How toUse?**

It is used to measure the irradiance of the Phototherapy units.

1. Measure the irradiance by switching on the Phototherapy units and placing the sensor of the flux meter right above it.
2. Now, place the sensor downwards in the light (under the phototherapy unit) and measure.
3. And then add both the result and average it for the final result.
4. The wavelength should be between 30 to 40  $\mu\text{W}/\text{nm}/\text{cm}^2$
5. Also, the baby's distance from the Phototherapy unit should be 35 cm.

In the case of a double surface phototherapy unit, all points should be followed. And in the case of a single surface, only the 2<sup>nd</sup> point should be followed for measuring the desired wavelength.

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