

INTRONICS

# BM-20 BILI-METER



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## BM-20 BILI-METER

Intronics BM-20 is a spectroradiometer designed specifically for measuring the light intensity of neonatal phototherapy (Bili-light) treatment. The diode-array sensor has flat responsivity range between 425nm – 475nm. The meter measures irradiance in units of micro-watts per square centimeter per nanometer. Intronics BM-20 can be used with blue-LED, blue-light fluorescent and fiber-optic phototherapy unit.

### Feature and Benefits:

- ❑ Compact, Handheld, Durable
- ❑ Large LED display
- ❑ Easy one button operation
- ❑ Separated probe, ideal for both over-the-head and bed type phototherapy unit
- ❑ National Institute of Metrology (Thailand): NIMT traceable accuracy

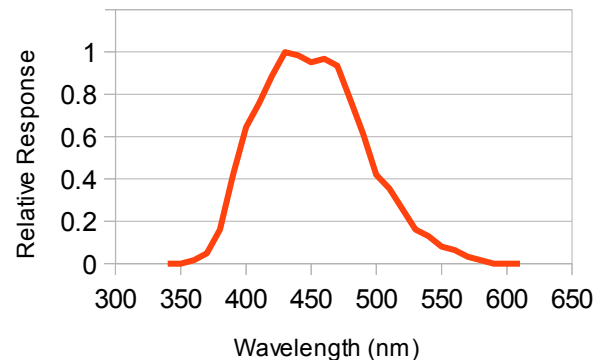
### Applications:

- ❑ Setting blue-light intensity before each patient treatment
- ❑ Periodic maintenance of phototherapy unit
- ❑ Monitoring light intensity and aging of blue-light source

### Specifications

|                               |  |
|-------------------------------|--|
| <b>Detector</b>               | Diode array  |
| <b>Flat response range</b>    | 425nm - 475nm  |
| <b>Irridiation range</b>      | 0-200 $\mu\text{W}/\text{cm}^2/\text{nm}$            |
| <b>Resolution</b>             | 0.1 $\mu\text{W}/\text{cm}^2/\text{nm}$              |
| <b>Accuracy</b>               | $\pm 10\%$ Ref. NIMT                                 |
| <b>Display</b>                | OLED   |
| <b>Power source</b>           | 2 AAA Batteries                                      |
| <b>Dimension (WxLxH) (mm)</b> | Meter 55 X 143 X 17<br>Probe 60 X 120 X 36           |
| <b>Weight</b>                 | Meter 94 grams (including battery)<br>Probe 63 grams |

Sensor Relative Response



Intronics Co., Ltd is recognized in Thailand and several countries world-wide for over 30 years as a pioneer in R&D and manufacturer of embedded systems, HVAC controller and LED lighting products. Our healthcare product line which includes LED phototherapy units and Bili-meter have been tested and used in hospitals all over Thailand. Intronics Bili-meter is provided with national standard traceable accuracy.