

OLYMPIC BILI-METER™

*For the accurate measure of
irradiance during phototherapy*

*Provides Precise
Measurement of Light
in the Blue Spectrum
to Ensure Optimal
Phototherapy
Treatment*



OLYMPIC BILI-METER™

Helps You Comply with AAP Guidelines by Providing Accurate Readings in Blue Spectrum¹

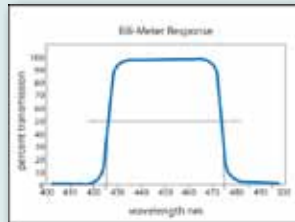
- ◆ Measures action spectrum of bilirubin – 425 to 475nm

Easy to Use & Read with Large Clear Display

- ◆ Easy to read under all lighting conditions
- ◆ Memory feature helps reduce errors
- ◆ When button is released, the final reading remains locked
- ◆ To take new or repeat reading, simply press & hold button – the previous memory is erased

Precision Optical System Provides Reliable, Reproduceable Measurements

- ◆ Standard unit of measure – microwatts per centimeter squared per nanometer ($\mu\text{W}/\text{cm}^2/\text{nm}$)
- ◆ Auto-ranging – automatically measures irradiance from 0.1 to 150.0 $\mu\text{W}/\text{cm}^2/\text{nm}$
- ◆ Dome diffuser on sensor minimizes angular sensitivity
- ◆ Microprocessor electronics improve linearity & reliability



Calibrated to National Standards

- ◆ Each Olympic Bili-Meter is individually calibrated to a standard that is traceable to the National Institute of Standards & Technology (NIST)
- ◆ Calibration certificate provided for hospital reference

Easy to Clean

- ◆ Can be wiped clean with disinfectants

Long Battery Life

- ◆ Features automatic shut-off to conserve power

Measures Wide Range of Phototherapy Lights

The Model 22 Bili-Meter is available with either or both of the two interchangeable sensors:

- ◆ Type B-22 Sensor used for measuring overhead phototherapy lights, including fluorescent & halogen.
- ◆ Type F-22 Sensor measures irradiance of fiberoptic phototherapy pads only. Measures irradiance over a large area (45.5 square centimeters) directly at the surface of the pad.

For Light Pads

Use Type F-22 Sensor only.
Measures average irradiance over large area directly on surface pad.
Eliminates ambient light.



Ordering Information

OLYMPIC BILI-METER

Model 22

Complete with digital readout unit, batteries and **Type B-22** Sensor for overhead phototherapy lights, including fluorescent & halogen.

CAT. NO. 53822

OLYMPIC BILI-METER

Model 22

Complete with digital readout unit, batteries and **Type F-22** Sensor for use with fiberoptic pads only.

CAT. NO. 53825

Additional sensors can be ordered separately:

Type B-22 Sensor only (for overhead phototherapy lights)

CAT. NO. 53860

Type F-22 Sensor only (for fiberoptic phototherapy pads)

CAT. NO. 53865

Electrical Safety: CSA C/US certified to CSA C22.2 101-1 and UL 61010A-1.

¹ Subcommittee on Hyperbilirubinemia. American Academy of Pediatrics clinical practice guideline: Management of hyperbilirubinemia in the newborn infant 35 or more weeks of gestation. *Pediatrics*. 2004; 114(1):297-316.

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pediatrics

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