

To accurately measure the intensity of neoBLUE LED Phototherapy Systems

Helps you comply with AAP Guidelines by providing accurate readings in blue spectrum¹

- Measures action spectrum of bilirubin – 420 to 500 nm

Easy to use and 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 and hold button – the previous memory is erased

Measures all four neoBLUE LED systems

- Check the light intensity as part of routine hospital protocol
- Measure while making adjustments to the light intensity
- Use to help determine appropriate height setting for overhead lights
- Same sensor works for both overhead and under-baby systems



Ordering information

neoBLUE Radiometer

Cat. No. 53870

Regulatory Standards

Electrical Safety – certified to:
CAN/CSA C22.2 No. 1010.1-92
CAN/CSA C22.2 No. 1010.1B-97
UL61010B-1



The neoBLUE radiometer measures spectral irradiance of LED light sources in the blue spectrum.

The neoBLUE radiometer is intended for use with the neoBLUE LED Phototherapy product line, including the neoBLUE, neoBLUE mini, neoBLUE cozy and neoBLUE blanket systems.

Precision optical system provides reliable, reproducible 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 and reliability

Calibrated to national standards

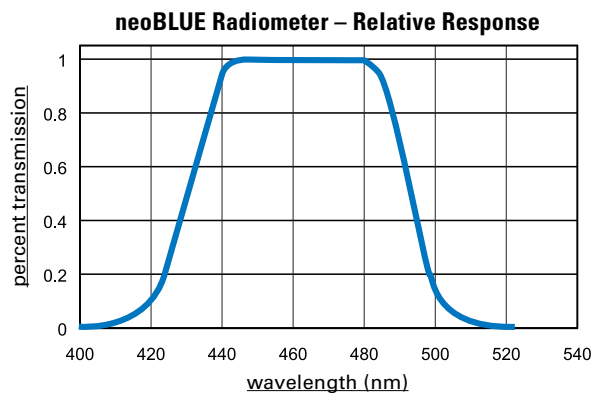
- Each neoBLUE Radiometer is individually calibrated to a standard that is traceable to the National Institute of Standards and Technology (NIST)
- Calibration certificate provided for hospital reference

Easy to clean

- Can be wiped clean with disinfectants

Long battery life

- Features automatic shut-off to conserve power



The neoBLUE Radiometer nominal response corresponds to the peak absorption spectrum of bilirubin.

natus

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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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