DALE TECHNOLOGY

DALE40
Phototherapy Radiometer

TECHNICAL DATASHEET

The DALE40 is designed to accurately measure light radiation in the blue part of the spectrum from 429 to 473 nanometers. Phototherapy exposure in this range is used to treat hyperbilirubinemia in newborn children.

Measurements are taken in $\mu W/cm^2$, with a range of 0 to1999. This unit of measurement can be compared directly to other units of measurement as described in the operator's manual.

Key features
- Large LCD
- Accuracy to ± 5 % of full scale
- Spectral range of 429 nm to 473 nm
- Complete portability

Specifications

Spectral range
429 nm to 473 nm (max 97 % response at 453 nm)

Measurement range
0 to 1999 $\mu W/cm^2$

Resolution
1 $\mu W/cm^2$

Probe
Lens matches the cosine-receiving function of human skin

Power
9 V battery (150 continuous hours of operation; arrow appears on display for battery replacement)

Dimensions
3.1 in L x 1.5 in W x 5.7 in H
(8 cm L x 4 cm W x 15 cm H)

Weight
8.8 oz (250 g)

Ordering information

Model

2249221: DALE40 Phototherapy Radiometer with storage case

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